ENVIRONMENTAL

Environmental Engineers, Geologists and Scientists

Tel 847.573.8900
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Polo Park Business Center
27834 N. Irma Lee Circle
Lake Forest, Illinois 60045-5130

October 23, 2018

Mr. Riley Neumann
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128

Re: Design Report Addendum/Remedial Action Plan
BRRTS #: 02-41-576336 & 02-41-579429
FID #: 241828620
Sunrise Shopping Center
2410-2424 10th Avenue & 1009 Marquette Avenue
South Milwaukee, Wisconsin 53172

Mr. Neumann:

Please find enclosed the *Design Report Addendum/Remedial Action Plan* (RAP) for the Sunrise Shopping Center facility located at the above-referenced address. This RAP is submitted to formally propose to the Wisconsin Department of Natural Resources (WDNR) chemical injection as the full-scale remedial method for use at the facility. The RAP includes a summary of the pilot-scale testing activities and results, the full-scale remedial design and plan, and certain NR 724 required information that was not available at the time of the initial April 2018 Design Report. As required, this RAP and all supporting documentation is also being submitted electronically to WDNR.

In addition to the submission of this RAP, an updated NR 140 exemption request is provided as an appendix to the RAP, as the originally approved request only covered pilot-scale injection activities. The exemption request is being submitted concurrently to the WDNR Wastewater Program for approval. A *Notice of Intent (NOI) Contaminated Groundwater form Remedial Action Operations* is also being submitted to obtain renewed coverage under Wisconsin Pollutant Discharge Elimination System (WPDES) permit WI-0046566-07-0 for full-scale Remedial Actions (copy included as attachment to the exemption request).

Because a formal approval of the proposed Remedial Actions is requested from WDNR, a *Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request* form (4400-237) and attached check in the amount of $1,050.00 is provided along with the RAP.

If you have any questions or require additional information in regards to this submission, please contact me at 847-573-8900 extension 580. Thank you for your time.

Sincerely,
DAI Environmental, Inc.

Christopher Cailles, P.E.
Project Engineer

Enclosure

cc: Steven Dukatt – Carol Investment Corporation (w/enclosure)

Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name	First	MI	Organization/ Business Name		
Dukatt	Steven		Carol Investment Corporation		
Mailing Address			City	State	ZIP Code
1410 South Clinton Street			Chicago	IL	60607
Phone # (include area code)	Fax # (include area code)		Email		
(773) 227-6500			awgreen1410@sbcglobal.com		

The requester listed above: (select all that apply)

- ☒ Is currently the owner
- ☐ Is considering selling the Property
- ☐ Is renting or leasing the Property
- ☐ Is considering acquiring the Property
- ☐ Is a lender with a mortgagee interest in the Property
- ☐ Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request) ☐ Select if same as requester

Contact Last Name	First	MI	Organization/ Business Name		
DePaul	F. Thomas		DAI Environmental, Inc.		
Mailing Address			City	State	ZIP Code
27834 North Irma Lee Circle			Lake Forest	IL	60045
Phone # (include area code)	Fax # (include area code)		Email		
(847) 573-8900	(847) 573-8953		depaul@daienv.com		

Environmental Consultant (if applicable)

Contact Last Name	First	MI	Organization/ Business Name		
Cailles	Christopher		DAI Environmental, Inc.		
Mailing Address			City	State	ZIP Code
27834 North Irma Lee Circle			Lake Forest	IL	60045
Phone # (include area code)	Fax # (include area code)		Email		
(847) 573-8900	(847) 573-8953		cailles@daienv.com		

Section 2. Property Information

Property Name			FID No. (if known)		
Sunrise Shopping Center			241828620		
BRRTS No. (if known)			Parcel Identification Number		
02-41-576336 & 02-41-579429			77-69-994001		
Street Address			City	State	ZIP Code
2410-2424 10th Avenue & 1009 Marquette Avenue			South Milwaukee	WI	53172
County	Municipality where the Property is located		Property is composed of:		Property Size Acres
Milwaukee	◉ City ○ Town ○ Village of South Milwaukee		◉ Single tax parcel ○ Multiple tax parcels		3

1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

◉ No ○ Yes

Date requested by: _____

Reason:

_____

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

◉ No. **Include the fee that is required for your request in Section 3, 4 or 5.**

○ Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:
Section 3. Technical Assistance or Post-Closure Modifications;
Section 4. Liability Clarification; or Section 5. Specialized Agreement.

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: **[Numbers in brackets are for WI DNR Use]**

☐ No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of $350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.

☐ Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of $700.**

☐ Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of $1050.**

☐ Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of $1050.**

☐ Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of $1050.**

☒ Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of $1050.**

☐ Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of $350**

☐ Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of $425.**

☐ Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of $425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

☐ Schedule a Technical Assistance Meeting - **Include a fee of $700.**

☐ Hazardous Waste Determination - **Include a fee of $700.**

☐ Other Technical Assistance - **Include a fee of $700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

☐ Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of $1050, and:**

☐ Include a fee of $300 for sites with residual soil contamination; and

☐ Include a fee of $350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.

Section 4. Request for Liability Clarification

Select the type of liability clarification requested. Use the available space given or attach information, explanations, or specific questions that you need answered in DNR's reply. Complete Sections 6 and 7 of this form. **[Numbers in brackets are for DNR Use]**

☐ "Lender" liability exemption clarification - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the real Property, and/or the personal Property and fixtures;

(2) an environmental assessment, in accordance with s. 292.21, Wis. Stats.;

(3) the date the environmental assessment was conducted by the lender;

(4) the date of the Property acquisition; for foreclosure actions, include a copy of the signed and dated court order confirming the sheriff's sale.

(5) documentation showing how the Property was acquired and the steps followed under the appropriate state statutes.

(6) a copy of the Property deed with the correct legal description; and,

(7) the Lender Liability Exemption Environmental Assessment Tracking Form (Form 4400-196).

(8) If no sampling was done, please provide reasoning as to why it was **not** conducted. Include this either in the accompanying environmental assessment or as an attachment to this form, and cite language in s. 292. 21(1)(c)2.,h.-i., Wis. Stats.:

h. The collection and analysis of representative samples of soil or other materials in the ground that are suspected of being contaminated based on observations made during a visual inspection of the real Property or based on aerial photographs, or other information available to the lender, including stained or discolored soil or other materials in the ground and including soil or materials in the ground in areas with dead or distressed vegetation. The collection and analysis shall identify contaminants in the soil or other materials in the ground and shall quantify concentrations.

i. The collection and analysis of representative samples of unknown wastes or potentially hazardous substances found on the real Property and the determination of concentrations of hazardous waste and hazardous substances found in tanks, drums or other containers or in piles or lagoons on the real Property.

☐ "Representative" liability exemption clarification (e.g. trustees, receivers, etc.) - s. 292.21, Wis. Stats. [686]

❖ **Include a fee of $700.**

Provide the following documentation:

(1) ownership status of the Property;

(2) the date of Property acquisition by the representative;

(3) the means by which the Property was acquired;

(4) documentation that the representative has no beneficial interest in any entity that owns, possesses, or controls the Property;

(5) documentation that the representative has not caused any discharge of a hazardous substance on the Property; and

(6) a copy of the Property deed with the correct legal description.

☐ Clarification of local governmental unit (LGU) liability exemption at sites with: (select all that apply)

☐ hazardous substances spills - s. 292.11(9)(e), Wis. Stats. [649];

☐ Perceived environmental contamination - [649];

☐ hazardous waste - s. 292.24 (2), Wis. Stats. [649]; and/or

☐ solid waste - s. 292.23 (2), Wis. Stats. [649].

❖ **Include a fee of $700, a summary of the environmental liability clarification being requested, and the following:**

(1) clear supporting documentation showing the acquisition method used, and the steps followed under the appropriate state statute(s).

(2) current and proposed ownership status of the Property;

(3) date and means by which the Property was acquired by the LGU, where applicable;

(4) a map and the ¼, ¼ section location of the Property;

(5) summary of current uses of the Property;

(6) intended or potential use(s) of the Property;

(7) descriptions of other investigations that have taken place on the Property; and

(8) (for solid waste clarifications) a summary of the license history of the facility.

Section 4. Request for Liability Clarification (cont.)

☐ Lease liability clarification - s. 292.55, Wis. Stats. [646]

- ❖ **Include a fee of $700 for a single Property, or $1400 for multiple Properties and the information listed below:**

(1) a copy of the proposed lease;

(2) the name of the current owner of the Property and the person who will lease the Property;

(3) a description of the lease holder's association with any persons who have possession, control, or caused a discharge of a hazardous substance on the Property;

(4) map(s) showing the Property location and any suspected or known sources of contamination detected on the Property;

(5) a description of the intended use of the Property by the lease holder, with reference to the maps to indicate which areas will be used. Explain how the use will not interfere with any future investigation or cleanup at the Property; and

(6) all reports or investigations (e.g. Phase I and Phase II Environmental Assessments and/or Site Investigation Reports conducted under s. NR 716, Wis. Adm. Code) that identify areas of the Property where a discharge has occurred.

General or other environmental liability clarification - s. 292.55, Wis. Stats. [682] - Explain your request below.

- ❖ **Include a fee of $700 and an adequate summary of relevant environmental work to date.**

☐ No Action Required (NAR) - NR 716.05, [682]

- ❖ **Include a fee of $700.**

Use where an environmental discharge has or has not occurred, and applicant wants a DNR determination that no further assessment or clean-up work is required. Usually this is requested after a Phase I and Phase II environmental assessment has been conducted; the assessment reports should be submitted with this form. This is not a closure letter.

☐ Clarify the liability associated with a "closed" Property - s. 292.55, Wis. Stats. [682]

- ❖ **Include a fee of $700.**

- Include a copy of any closure documents if a state agency other than DNR approved the closure.

Use this space or attach additional sheets to provide necessary information, explanations or specific questions to be answered by the DNR.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

☐ Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description; and,
(3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-105agrmt.pdf).

☐ Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]

- ❖ **Include a fee of $700, and the information listed below:**

(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description; and,
(3) a draft 75.105 agreement based on the DNR's model (dnr.wi.gov/topic/brownfields/documents/mod75-106agrmt.pdf).

☐ Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]

- ❖ **Include a fee of $1400, and the information listed below:**

(1) a draft schedule for remediation; and,
(2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

☐ Phase I Environmental Site Assessment Report - Date: _____

☐ Phase II Environmental Site Assessment Report - Date: _____

☐ Legal Description of Property (required for all liability requests and specialized agreements)

☐ Map of the Property (required for all liability requests and specialized agreements)

Analytical results of the following sampled media: Select all that apply and include date of collection.

☐ Groundwater ☐ Soil ☐ Sediment ☐ Other medium - Describe: _____

Date of Collection: _____

☐ A copy of the closure letter and submittal materials

☐ Draft tax cancellation agreement

☐ Draft agreement for assignment of tax foreclosure judgment

☒ Other report(s) or information - Describe: Updated Injection Exemption Request (Appendix C.6.D)

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

◯ Yes - Date (if known): _____
◯ No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at: dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

Section 7. Certification by the Person who completed this form

☐ I am the person submitting this request (requester)

☒ I prepared this request for: Steven Dukatt
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

Christopher Cailles
Signature

10/22/18
Date Signed

Project Engineer
Title

847-573-8900 x580
Telephone Number (include area code)

ENVIRONMENTAL

Environmental Engineers, Geologists and Scientists

Tel 847.573.8900
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Lake Forest, Illinois 60045-5130

DESIGN REPORT ADDENDUM/ REMEDIAL ACTION PLAN SUNRISE SHOPPING CENTER 2410-2424 10TH AVENUE & 1009 MARQUETTE AVENUE SOUTH MILWAUKEE, WISCONSIN 53172 WDNR BRRTS ACTIVITY #02-41-576336 & 02-41-579429 WDNR FID #241828620

October 18, 2018

DAI Project Number: 6255

Prepared For:
Carol Investment Corporation
1410 South Clinton Street
Chicago, IL 60607

Prepared By:
DAI Environmental, Inc.
Polo Park Business Center
27834 Irma Lee Circle
Lake Forest, Illinois 60045

TABLE OF CONTENTS

LIST OF TABLES (APPENDIX A)

LIST OF FIGURES

LIST OF APPENDICES

1.0 EXECUTIVE SUMMARY

1.1 INTRODUCTION

DAI Environmental, Inc., (DAI) has been engaged by the Carol Investment Corporation to obtain a Case Closure letter from the Wisconsin Department of Natural Resources (WDNR) for the Sunrise Shopping Center Property located at 2410-2424 10th Avenue and 1009 Marquette Avenue in South Milwaukee, Wisconsin (Site). Figure B.1.a in Appendix B provides a topographic site location map. The Site name, current property owner, and current Responsible Party are provided below.

Site: Sunrise Shopping Center
2410-2424 10th Avenue and 1009 Marquette Avenue
South Milwaukee, Wisconsin 53172
Parcel Identification No. 7769994001
WDNR BRRTS Activity #02-41-576336 & 02-41-579429
WDNR FID #241828620

Property Owner/ Responsible Party: Carol Investment Corporation
1410 South Clinton Street
Chicago, Illinois 60607

Consultant: DAI Environmental, Inc.
27834 North Irma Lee Circle
Lake Forest, Illinois 60045
(847) 573-8900

1.2 SITE DESCRIPTION

The Site is comprised of a single parcel of approximately 3.22-acres land, classified as "Commercial" in the Milwaukee County Land Information Office. The Site remains improved with the two (2) above-described buildings. The remainder of the Site is asphalt paved parking lot, with the exception of landscape islands. The utility corridor generally runs below the western property boundary behind the buildings. The buildings are adjacent, but not physically connected. An approximately 5-ft gap between the two (2) buildings exists, though the space is enclosed by walls on the east and west ends of the "alley" between the buildings to form a facade. The 1009 Marquette Avenue building includes a basement area below approximately half

of the building footprint. The multi-tenant space building is concrete slab-on-grade construction. The Site is currently used as a strip mall. The current tenant information is provided below.

Address	Current Tenant	Most Recent Tenant	Comments
1009 Marquette Avenue	Ace Hardware	--	
2410 10th Avenue	Vacant	American Family Insurance	Historical location of Sunbrite Cleaners
2412 10th Avenue	Vacant	Sunrise Salon	
2414 10th Avenue	Aurora Pharmacy	--	
2414B 10th Avenue (previously 2416)	Vacant	Lakeshore Medical Clinic (never took occupancy of the space)	Historical location of Wolf's Dry Cleaners & Launderers
2418 10th Avenue	Sunrise Restaurant	--	
2422/2424 10th Avenue	Vacant	Family Tree Child Care	

The Site is located in a mixed use area, with surrounding properties including commercial, light industrial, municipal, and residential. PyraMax Bank (within Sunrise Plaza) or Marquette Avenue are located to the adjacent north, then commercial and light industrial facilities. To the east is BMO Harris Bank (within Sunrise Plaza) or 10th Avenue, followed by Marquette Manor, a retirement facility. To the south of the Site (within Sunrise Plaza) is Servpro of Southeast Milwaukee County, a building damage restoration company, followed by Sunrise Village, a retirement facility. To the west of the Site is the Chicago & Northwestern Railroad (Union Pacific), followed by other residential and commercial properties. Figure B.1.b.1 includes an aerial view of the Site and surrounding property.

1.3 REGULATORY REPORTING

A *Notification For Hazardous Substance Discharge (Non-Emergency Only)* form 4400-225 was submitted to the WDNR on October 22, 2015, based upon the results of subsurface investigations performed between November 2014 and April 2015. A second notification form for the Site was submitted to the WDNR on May 16, 2017. The original BRRTS number (02-41-576336) assigned in 2015 is associated with Volatile Organic Compound (VOC) contamination observed in the northwestern portion of the Site. Polynuclear Aromatic Hydrocarbon (PAH) contamination observed in the center-east to southern area of the Site was assigned BRRTS number 02-41-579429.

Site Investigation activities were conducted in several phases between November 2014 and January 2018. Details of activities were documented in the *Site Investigation Report Amendment* dated September 18, 2017, the *Supplemental Information to Site Investigation Report Amendment* dated November 16, 2017, and the *Site Investigation Report Amendment Addendum* dated February 28, 2018. Figure B.1.b.2 provides all soil, groundwater, and air sampling locations since beginning Site Investigation activities in November 2014. WDNR approved completion of Site Investigations per NR 716 requirements in a letter dated April 24, 2018.

Following the completion of Site Investigations, a *Remedial Actions Options Report/Design Report* (RAOR/Design Report) dated April 2, 2018, was submitted to WDNR. The RAOR/Design Report proposed a combination of active remediation and the implementation of institutional controls to address subsurface contamination at the Site, including using chemical injection to reduce contaminant concentrations in the soil and groundwater. The chemical injections were to be performed in two (2) phases; first a pilot-scale study needed to acquire certain information as needed for a full-scale design, then the full-scale design and implementation.

Per a telephone discussion of May 10, 2018, WDNR provided preliminary approval for the proposed remedial actions based upon two (2) conditions:

- The chemical injection activities currently proposed are intended to be conducted as a pilot test to evaluate feasibility and effectiveness, with a more detailed "Remedial Action Plan" to be submitted after the pilot test; and
- A request to perform the intended pilot-scale chemical injection must be submitted and approved prior to performing the proposed testing.

Therefore, a *Request for Approval of NR 140.28 Exemption and NR 812.05 Variance* and a permit application for coverage under Wisconsin Pollutant Discharge Elimination System (WPDES) permit WI-0046566 were submitted on May 23, 2018. Approval for coverage under a WPDES permit was granted in a letter from the WDNR dated June 6, 2018 (with coverage under the reissued WPDES permit subsequently granted in a subsequent letter dated June 29, 2018). The NR 140 Temporary Injection Exemption was granted in a letter from the WDNR dated

June 27, 2018, with a subsequent letter of July 9, 2018, approving injection of a second chemical during the pilot test activities. Pilot test injections were subsequently performed in July 2018.

Following evaluation of the pilot-scale testing activities and results, a meeting between DAI and WDNR personnel was conducted on September 14, 2018. The outcome of the meeting was a concurrence that chemical injection appeared to be a viable technology to address contamination on-site and would be formally proposed as a remedial action. Additionally, the difficulty in meeting the RCLs in all the sub-floor backfill was discussed, and WDNR confirmed that Wisconsin NR 726 regulations allow for consideration of "remediation to the extent practicable" based upon feasibility, costs, and the implementation of institutional controls that limit human exposure to hazardous materials. If the RCLs cannot be met at all locations, WDNR will consider a risk based closure for the Site.

This *Design Report Addendum/Remedial Action Plan* (RAP) is submitted to formally propose chemical injection as the full-scale remedial method for use at the Site. The RAP includes a summary of the pilot-scale testing activities and results, the full-scale remedial design and plan, and certain NR 724 required information that was not available at the time of the initial April 2018 Design Report. Additionally, an updated NR 140 exemption request is provided, as the originally approved request only covered pilot-scale injection activities.

2.0 SUMMARY OF PILOT-SCALE INJECTION

2.1 INJECTION POINT LOCATIONS

The pilot-scale testing was performed on July 19 and July 20, 2018. In total, 13 injection points were installed (IP-1 to IP-13) by Cabeno Environmental Field Services, LLC (Cabeno) of New Lenox, Illinois. Cabeno installed seven (7) points (IP-1 to IP-7) outside the building on July 19th using a track-mounted Geoprobe® system. Six (6) points were installed inside the building (IP-8 to IP-13) by Cabeno the following day using a hand-cart Geoprobe® unit due to height restrictions. During the pilot testing, no injection wells were installed.

On July 19, 2018, injection points IP-1 to IP-3 were installed outside the western (rear) wall of the 2414B tenant space, the area where a former heating oil underground storage tank (UST) is the suspected source of PAH soil and groundwater contamination observed during Site Investigations in GP-13/MW-4. Injection points IP-4 to IP-7, located outside the rear of the 2410-2412 tenant spaces, were also installed on July 19th. These four (4) injection points were primarily intended to reduce the Tetrachloroethene (Perc) groundwater contamination in monitoring well MW-5, which was observed at concentrations exceeding the Enforcement Standard, but were also intended to help reduce contamination observed in soil to the rear of the former dry cleaner space. The six (6) indoor injection points (IP-8 to IP-13) were installed within the front portion of the 2410-2412 tenant spaces for the purpose of decreasing the Perc contaminant mass in the soil. (The 2410 tenant space was the location of historical drycleaner operations.)

Figure C.6.a provides an overview of the entire pilot testing area, showing each of the three (3) source areas and associated injection point locations. Figures C.6.a.1-C.6.a.3 provide details of the three (3) injection treatment areas in relation to the contaminant plumes. All chemical injection figures are included in Appendix C.6.A.

2.2 CHEMICAL INJECTION INFORMATION

Two (2) different, though similarly acting, chemical oxidants were used during the pilot test: RemOx® (Potassium permanganate) and PersulfOx® (Sodium persulfate). Only RemOx® was injected into IP-1 to IP-7 (July 19th). Both chemicals were injected on July 20th, RemOx® into IP-8 to IP-10 (2410 tenant space) and PersulfOx® into IP-11 to IP-13 (2412 tenant space).

To make up the injectate, the chemical in dry form was mixed with tap water obtained from the on-site municipal water supply. As required per monitoring requirement 2 of the NR 140 Temporary Injection Exemption, a commercially-available dechlorination chemical was mixed into each injectate batch to remove residual chlorine from the water. After mixing each batch, the chemical oxidant was distributed into the injection point through the direct-push drive rods, beginning at the bottom of the treatment interval. As injectate was forced into the subsurface using a diaphragm pump, and the direct-push drive rods were slowly extracted from the ground allowing for continuous controlled distribution across the entire injection interval. During the pilot test, favorable conditions were observed, with the subsurface taking in 55-gallons or greater at each injection point with little to no "daylighting" (i.e., liquid escaping at the surface through the injection boring). The exception was at depths shallower than 3-ft, where the injection under pressure resulted in almost immediate daylighting due to the liquid flowing through the path of least resistance (the injection borings were not sealed at the surface). Therefore, all chemical injection activities during the pilot testing were completed from 3-ft to 9-ft or 12-ft below ground surface (bgs).

During the injection activities, all monitoring conditions outlined in the NR 140 Temporary Injection Exemption were recorded, including total volume of injectate per point, injection interval, etc. Tables 2.2A-2.2B below summarizes the field monitoring parameters. Following the completion of injection activities, all injection locations were abandoned by filling the borehole with bentonite and patching the surface with asphalt or concrete.

Table 2.2A. Summary of Injection Activity Field Monitoring Parameters

Injection Point (Date Installed)	Injection Interval (See NOTE)	Location	Chemical Injected	Batch Mixture Ratio*	Injection Period (Start/Stop)	Volume Injected (gal)	Injection Pressure (psi)
IP-1 (7/19/18)	3-ft to 9-ft	Rear of 2414B, south point	RemOx®	55-lb chemical/55-gal water	09:23-10:12	55	20
IP-2 (7/19/18)	3-ft to 9-ft	Rear of 2414B, middle point			10:39-11:00	55	20
IP-3 (7/19/18)	3-ft to 9-ft	Rear of 2414B, north point			11:07-11:45	55	20
IP-4 (7/19/18)	3-ft to 12-ft	Rear of 2410-2412, south point	RemOx®	110-lb chemical/125-gal water	12:03-13:05	65	20
IP-5 (7/19/18)	3-ft to 12-ft	Rear of 2410-2412, west point			13:08-13:20 & 13:30-13:40	65	20
IP-6 (7/19/18)	3-ft to 12-ft	Rear of 2410-2412, north point			15:12-15:35	65	20
IP-7 (7/19/18)	3-ft to 12-ft	Rear of 2410-2412, east point			15:38-16:05	65	20
IP-8 (7/20/18)	3-ft to 9-ft	Inside 2410, east point	RemOx®	110-lb chemical/150-gal water	09:30-10:156	75	25
IP-9 (7/20/18)	3-ft to 9-ft	Inside 2410, north point			10:20-10:50	75	30
IP-10 (7/20/18)	3-ft to 9-ft	Inside 2410, west point			08:58-09:26	75	25
IP-11 (7/20/18)	3-ft to 9-ft	Inside 2412, east point	PersulfOx®	55-lb chemical/75-gal water	12:00-12:35	75	30
IP-12 (7/20/18)	3-ft to 9-ft	Inside 2412, south point			13:20-14:00	75	30
IP-13 (7/20/18)	3-ft to 9-ft	Inside 2412, west point			12:45-13:20	75	45

NOTE: Chemical injection in the upper 3-ft was discontinued due to rapid back up or "daylighting" of the injectate through the borehole.
*****: Vita-D-Chlor was added to the tap water to meet monitoring requirement 2 of the NR 140 Temporary Injection Exemption approval.

Table 2.2B. Summary of VOC/LEL Readings During Injection Activities

Injection Point (Date Installed)	Injection Period (Start/Stop)	Pre-Injection VOC/LEL readings at IP (ppm/%)	Ambient Air VOC readings at IP (ppm)	Injection Area Monitoring Point	Monitoring Point VOC/LEL readings (ppm/%)
IP-1 (7/19/18)	09:23-10:12	5/0	15: 0 30: 0 45: 0 60: 0 Post: 0	MW-4	15: 43/0 30: 25/0 45: 1/0 60: 1/0 Post: 0/0
IP-2 (7/19/18)	10:39-11:00	10/0	15: 1 30: 0 45: 0 60: 0	MW-4	15: 36/0.0 30: NM 45: NM 60: NM
IP-3 (7/19/18)	11:07-11:45	12/0	15: 0 30: 0 45: 0 60: 0	MW-4	15: NM 30: 25/0 45: 1/0 60: 1/0
IP-4 (7/19/18)	12:03-13:05	0/0	15: 0 30: 0 45: 0 60: 0	MW-5	15: 0/0 30: 0/0 45: 0/0 60: 0/0
IP-5 (7/19/18)	13:08-13:20 & 13:30-13:40	0/0	15: 0 30: 0 45: 0 60: 0	MW-5	15: 1/0 30: 1/0 45: 1/0 60: 1/0
IP-6 (7/19/18)	15:12-15:35	0/0	15: 0 30: 0 45: 0 60: 0	MW-5	15: 1/0 30: 1/0 45: 1/0 60: 1/0
IP-7 (7/19/18)	15:38-16:05	0/0	15: 0 30: 0 45: 0 60: 0	MW-5	15: 0/0 30: 0/0 45: 0/0 60: 0/0
IP-8 (7/20/18)	09:30-10:156	0/0	15: 0 30: 0 45: 0 60: 0	IP-8	15: 0 30: 0 45: 0 60: 0

Injection Point (Date Installed)	Injection Period (Start/Stop)	Pre-Injection VOC/LEL readings at IP (ppm/%)	Ambient Air VOC readings at IP (ppm)	Injection Area Monitoring Point	Monitoring Point VOC/LEL readings (ppm/%)
IP-9 (7/20/18)	10:20-10:50	0/0	15: 0 30: 0 45: 0 60: 0	IP-9	15: 0 30: 0 45: 0 60: 0
IP-10 (7/20/18)	08:58-09:26	0/0	15: 0 30: 0 45: 0 60: 0	IP-10	15: 0 30: 0 45: 0 60: 0
IP-11 (7/20/18)	12:00-12:35	0/0	15: 0 30: 0 45: 0 60: 0	IP-11	15: 0 30: 0 45: 0 60: 0
IP-12 (7/20/18)	13:20-14:00	0/0	15: 0 30: 0 45: 0 60: 0	IP-12	15: 0 30: 0 45: 0 60: 0
IP-13 (7/20/18)	12:45-13:20	0/0	15: 0 30: 0 45: 0 60: 0	IP-13	15: 0 30: 0 45: 0 60: 0

NM – No measurement collected; monitoring well filled with injectate (i.e., no vapor space from which to collect readings)

2.3 CONFIRMATION SAMPLING

2.3.1 Soil Sampling

Following the completion of injection activities, confirmation soil samples were collected within each of the three (3) treatment areas to assess the amount of contaminant reduction. Confirmatory soil sampling was performed on August 2, 2018. In total, 12 confirmatory soil boring locations were installed by Cabeno using the Geoprobe® direct-push sampling system. Three (3) soil borings were installed within the injection area behind the 2414B tenant space, three (3) within the injection area outside the 2410-2412 tenant spaces, and six (6) inside the 2410-2412 tenant spaces. Most of the confirmatory boring locations were selected to directly compare pre-remediation contaminant concentrations with post injection concentrations. The sampling methodology and procedure followed during confirmatory soil sampling was consistent with the protocol following during Site Investigation activities. Figure C.6.a shows the locations of all confirmatory soil samples.

Former Heating Oil UST Injection Area

Three (3) soil borings were installed within the area behind the 2414B tenant space: GP-13-N[orth], GP-13-C[enter], and GP-13-S[outh]. The three (3) locations were selected to evaluate the contamination previously observed in soil boring GP-13 in the 4-ft to 6-ft bgs sample interval, with GP-13-C generally replicating GP-13. Soil samples were collected at 4-ft to 6-ft from each of the three (3) locations, and a 6-ft to 8-ft sample was collected from the central location (vertical delineation previously defined at 8-ft bgs per GP-13R). Soil samples were submitted for laboratory analysis of PAHs. A copy of the confirmatory sampling laboratory report is provided in Appendix C.6.B.

Results of the laboratory analyses on the confirmatory soil samples are summarized in Table A.7.B. For comparison purposes, Table A.7.B also summarizes the GP-13/GP-13R results as observed during Site Investigations, as well as the other surrounding Site Investigations soil samples. A review of the table indicates that no PAH concentrations remain in excess of the most stringent Residual Contaminant Levels (RCLs). Therefore, the RCL exceedances previously observed in GP-13 have been remediation to below the RCLs, as observed by the results of GP-13-C. Figure C.6.a.1 provides the locations of confirmatory and historical soil borings.

Outside Former Dry Cleaner Injection Area

Three (3) soil borings were installed within the area behind the 2410-2412 tenant spaces: GP-112-W[est], GP-112-E[ast], and GP-112-S[outh]. GP-112-E most closely replicated GP-311/GP-311R, and GP-112-S most closely replicated GP-115. GP-112-W was installed between GP-112 and GP-306. The three (3) locations were primarily selected to re-evaluate soil contamination in the vicinity surrounding soil boring GP-112, which was converted in MW-5 and where Perc concentrations in groundwater have consistently been observed exceeding the Enforcement Standard. Soil samples were collected at varying depth intervals based upon the past observed RCL exceedances in soil samples collected between 2-ft to 4-ft bgs and 10-ft to 12-ft bgs. Soil samples were submitted for laboratory analysis of VOCs. A copy of the confirmatory sampling laboratory report is provided in Appendix C.6.B.

Results of the laboratory analyses on the confirmatory soil samples are summarized in Table A.7.A1 in comparison to Site Investigations soil samples within the injection area. For ease of review, only the Perc and Trichloroethene (TCE) concentrations are included, as no other VOCs were identified during Site Investigations within the area exceeding the most stringent RCLs. Table A.7.A1 indicates that little change in concentrations was observed in Site Investigation vs. post-injection soil samples in the 2-ft to 4-ft depth interval, as expected based upon the inability to inject chemical at depths shallower than 3-ft bgs. However, soil samples collected from deeper intervals do indicate remedial progress. The deepest confirmatory soil samples collected in GP-112-E, which replicated GP-13/GP-13R, was useful in confirming vertical delineation of soil contamination at 12-ft bgs. Figure C.6.a.2 provides the locations of confirmatory and historical soil borings within the injection area behind the two (2) tenant spaces.

Inside Former Dry Cleaner Injection Area

Six (6) soil borings were installed inside the 2410-2412 tenant spaces: GP-405-E[ast], GP-405-N[orth], GP-405-W[est], GP-407-S[outh], R-1R, and P-1R. The “405” and R-1R borings were installed in the 2410 tenant space and the “407” and the P-1R borings were installed in the 2412 tenant space. Soil boring R-1R and P-1R most closely replicated GP-405 and GP-407, respectively. The remaining borings were installed as off-sets to GP-405 and GP-407 to evaluate

remedial progress in the surrounding source area. Soil samples were collected at depth intervals consistent with past sample depth intervals. Soil samples were submitted for laboratory analysis of VOCs. A copy of the confirmatory sampling laboratory report is provided in Appendix C.6.B.

The Perc and TCE concentrations from the confirmatory soil samples collected within the injection area are summarized in Table A.7.A2. Similar to the samples collected from outside the building, Table A.7.A2 indicates that little change in concentrations was observed in the shallow sample depth intervals because of the limited distribution of chemical injectate at depths less than 3-ft bgs. However, soil samples collected from the 7-ft to 9-ft interval indicate that chemical injection was quite effective; only the central two (2) soil borings still indicate an RCL exceedance for Perc at 7-ft to 9-ft (no TCE exceedances remain). Figure C.6.a.3 provides the locations of confirmatory and historical soil borings within the injection area inside the two (2) tenant spaces.

2.3.2 Groundwater Sampling

Post-injection groundwater samples were collected on July 30, 2018, from monitoring wells MW-4 and MW-5 consistent with the third quarter 2018 sampling event. Monitoring well MW-4 is located in the PAH treatment area behind the 2414B tenant space and monitoring well MW-5 is located behind the 2410-2412 tenant spaces. (No monitoring well is available for sampling within the 2410-2412 tenant space.) The monitoring wells were purged and sampled consistent with Site Investigation sampling protocol. Both monitoring wells were sampled using disposable PVC bailers and distributed directly into the appropriate sample containers. MW-4 was sampled for PAHs, and MW-5 was sampled for VOCs.

Results of the post-injection/third quarter groundwater sampling, as summarized in Tables A.1.A-A.1.B, were submitted to the WDNR in the *Quarterly Groundwater Sampling Report* dated August 17, 2018. In general, the post-injection groundwater concentrations in MW-4 and MW-5 declined from pre-injection concentrations observed during the second quarter groundwater sampling event completed in April 2018. MW-4 indicated no observed concentrations above the PALs for any PAH constituents, and the Perc concentration observed in MW-5 decreased from 0.0203-mg/L to 0.0086-mg/L. Figure B.3.b.1 provides a historical

summary of Perc groundwater concentrations and the estimated extent of Perc groundwater contamination. Figures B.3.b.2a to B.3.b.2d provide a historical summary of groundwater results for Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Naphthalene, respectively. A copy of the confirmatory sampling laboratory report is provided in Appendix C.6.B.

3.0 DESIGN REPORT/REMEDIAL ACTION PLAN

During subsurface investigations, soil, groundwater, and vapor contamination were observed at concentrations above the most stringent applicable standards. NR 722.09(2)(a-b) requires that the soil and groundwater contamination be addressed, restoring soil to the RCLs established per NR 720 and reducing groundwater concentration to below the PALs to the extent technologically and economically possible. NR 722.09(3)(d)(1) and NR 726.05(8)(b)(1) require that a remedial action be undertaken to reduce the mass and concentration of volatile contamination when the vapor route is exceeded, and a vapor mitigation system alone is not considered a remedial action.

The RAOR/Design Report dated April 2, 2018, evaluated remedial options to address soil and groundwater contamination at the Site. The proposed remedial actions included a combination of active chemical injection and implementation of institutional controls. Based upon the results of July 2018 pilot study activities, this RAP provides the details required under NR 724.11 for the full-scale chemical injection remediation of the Site.

3.1 CHEMICAL TREATMENT

3.1.1 Location and Extent of Contamination

Perc and TCE contamination was identified in the subsurface soils under the former Sunbrite Cleaners, and behind the 2410 and 2412 tenant spaces. Perc vapor contamination was identified inside the front portion of the two (2) spaces. Additionally, Perc groundwater contamination at a concentration exceeding the Enforcement Standard was observed in monitoring well MW-5.

The total area of soil contamination exceeding the RCLs as identified by Site Investigations is approximately 6,295-ft^2. The approximate area of soil contamination at a depth in excess of 4-ft (i.e., below the direct contact zone) is 4,235-ft^2. The estimated groundwater plume exceeding the PAL for Perc encompasses an area of approximately 19,541-ft^2 with 6,361-ft^2 of the groundwater plume exceeding the Enforcement Standard. Based upon the site-specific conditions and the pilot test results, in-situ chemical oxidation is proposed as the full-scale remediation method to address the subsurface contamination associated with the former Sunbrite Cleaners.

PAH soil and groundwater contamination were observed within the area of the former heating oil UST previously located behind the 2416 (now 2414B) tenant space. However, based upon the results of post-injection confirmatory soil and groundwater sampling, no additional remedial actions are proposed for the former heating oil UST area at this time. (However, quarterly sampling in this area will continue to be monitored to ensure that the contaminant concentrations do not rebound.)

3.1.2 Injection Well Locations and Construction

To address the contamination at the rear of the tenant spaces, 10 Class V underground injection control (UIC) wells will be installed behind the building. Four (4) of the UIC wells will be installed within the vicinity of MW-5 to reduce the saturated soil and groundwater contaminant concentrations in this area. These four (4) wells will be installed to replicate injection points IP-4 to IP-7 and will be constructed of 1-in PVC well screens set from 2-ft to 12-ft bgs (the defined depth of vertical delineation). The remaining six (6) outside UIC wells will be 3-ft deep with 1-in PVC well screens set from 0.5-ft to 3.5-ft bgs. These shallow wells are intended to reduce the contaminant concentrations in the shallow subsurface. The western-most injection points will only be installed if the chemical injection can be performed without detriment to the subsurface utilities locate within the vicinity. All wells will be sealed at the surface.

To address observed soil contamination and reduce the potential for vapor intrusion within the front of the 2410-2412 tenant spaces, up to 25 UIC wells will be installed in the two (2) spaces. Four (4) UIC wells will be installed, two (2) in each tenant space, with locations concentrated on the source area (i.e., former dry cleaning machines) where the highest contaminant concentrations are observed across the entire vertical profile. The four (4) wells will be constructed of 5-ft of 1-in PVC well screens set at 4-ft to 9-ft bgs (the deepest depth obtainable inside the building). The remaining 21 injection points will be installed across the extent of the direct contact RCL soil contaminant plume for the purpose of reducing contaminant concentrations in the shallow subsurface. Each of the points will consist of 3-ft deep, 1-in PVC well screens set at 0.5-ft to 3.5-ft bgs. All wells will be sealed at the surface.

Figure C.6.b shows the locations of all proposed chemical injection points, as well as the greater soil contaminant plume as defined by Site Investigation activities. An *Inventory of Injection Wells* Form (3300-253) is provided in Appendix C.6.C.

3.1.3 Chemical Injection Procedures

Potassium permanganate, a commercially available strong oxidant manufactured by Carus Corporation under the trade name RemOx®, will be used for the full-scale chemical injections. The RemOx® solution will be distributed into both the outside and inside injection areas associated with the former dry cleaners across a larger footprint than that used during the pilot testing. The full-scale chemical injections will generally focus on the uppermost 3-ft bgs, where the soils are highly permeable and highest mass of Perc contamination has been identified, though deeper injection will also be conducted and targeted at the source areas. The areas of chemical injection are shown in Figure C.6.b. Appendix C.6.D includes an updated NR 140 exemption request.

3.1.3.1 Shallow Injection: The chemical injectate could not be well distributed in the uppermost 3-ft during the pilot test due to daylighting under high injection pressures. Therefore, a different method of chemical injection will be used. Rather than using high pressure pumps, the chemical will be introduced into the upper 3-ft of permeable backfill via a series of closely spaced UIC wells and using gravity feed distribution. Daylighting should be eliminated, and the chemical is expected to follow the same general pathway that the release(s) of Perc followed.

The chemical oxidant will be added to the wells manually, with a small volume of the chemical in reserve and connected to the wells so as to maintain a (near) constant head on the wells. This method of delivery will be slower and require a longer period of sustained injection. The slower chemical feed rates are intended to allow the chemical to flow out more evenly in both the horizontal and vertical directions. The volume of chemical oxidant that flows into the subsurface will need to be monitored and replenished on a routine basis.

While the chemical oxidant can be stored safely in the locked and empty tenant spaces within the building, the UIC wells located outside the building will not use the same delivery system since

safety cannot be ensured. During routine monitoring and maintenance events, additional chemical oxidant will be added to the outside wells to replace any injectate that enters the ground over time. However, liquid storage vessels will not be used like planned for the indoor wells, and the outside UIC wells will be capped at the end of each servicing event.

3.1.3.2 Deeper Injection: In addition to the gravity feed delivery system, direct injection using high pressure pumps and/or direct-push rods will also be used in the deeper soils at eight (8) locations, four (4) locations inside in the area exhibiting higher Perc concentrations and four (4) locations outside surrounding MW-5. The direct injection method will target the contaminant mass below 3-ft where the pilot test results have shown this technique to be successful. Chemical daylighting was not observed in the deeper zones where a seal could be maintained between the direct-push rods and the subsurface soil (largely consisting of clay/silty clay).

3.1.3.3 Injection Volume: During the pilot test, between 65-gallons and 75-gallons of liquid chemical oxidant could be injected through each injection point into the clay below 3-ft. Using a value of 75-gallons per point for the eight (8) proposed deeper injections, the estimated volume of injectate for the deeper zone treatment is about 600-gallons. The volume of liquid that could be injected into the shallow zone could not be determined during the pilot test due to the daylighting problem encountered. However, applying the 75-gallons per well value for a 9-ft deep well (or 8.3-gal/ft) to a 3-ft well results in an estimate of about 25-gallons per well. For the 27 UIC wells, the total estimated liquid volume for the upper 3-ft is 675-gal per injection event. The combined estimated total of liquid volume injection into the subsurface at all wells is 1,275-gallons.

At least one (1) round of injection will be performed. The need to perform additional rounds of chemical injection will be determined based upon post-injection progress sampling.

3.2 ADDITIONAL OBLIGATIONS

3.2.1 Operation and Maintenance

An Operation, Monitoring, and Maintenance (OM&M) Plan is required per NR 724.13(2). However, as the operation and maintenance (O&M) requirements associated with the injection

points are minimal, a separate OM&M Plan has been not been completed. The plan for O&M and remedial progress monitoring (NR 724.13(2)(d)) is presented below. The sampling is not considered to be "long-term monitoring," and therefore, a long-term monitoring plan per NR 724.17(2) is not submitted.

3.2.1.1 Visual Inspection and Abandonment: The injection wells installed outside of the buildings will be constructed following monitoring well installation protocol, ensuring appropriate well integrity and protection of the well from external damage. Therefore, damage that could result in injury or inability to use the injection wells is considered unlikely. However, periodic visual inspection of the outside injection wells for the purpose of identifying and repairing damage will be performed as part of this OM&M Plan.

Following the completion of all chemical injection activities and with WDNR's concurrence, the network of injection wells will be formally abandoned. No injection wells will remain in-place following case closure.

3.2.1.2 Confirmatory Sampling: Post-injection confirmatory samples will be collected at the conclusion of the chemical treatment. The results of the confirmatory sampling will be used to gauge the remedial progress and determine the need for additional treatment.

Soil: Confirmatory soil sampling will be performed within each of the treatment areas and in the areas of highest observed Perc concentrations. The post-injection sample results will be compared with the pre-injection results and the results of Site Investigations to estimate remedial progress. Any areas within the deeper treatment zone that do not indicate a substantial reduction in concentration will be considered for a second round of chemical injection. If certain areas within the shallow treatment zone, such as soil locations furthest from the chemical injection points, do not indicate a substantial reduction in concentration, then the period of the shallow treatment zone remediation will be extended to allow more time for the injectate to reach all areas of the treatment zone. Once the injectate has reached all areas within the treatment zone (or has to the extent practicable) the remediation will be considered complete.

Groundwater: A groundwater sample will be collected from MW-5 approximately one (1) to 2-weeks following chemical injection for comparison with the pre-injection results and the Enforcement Standard. The confirmatory groundwater sampling result will be used to determine the need for further treatment. MW-5 will also be sampled routinely as part of the ongoing quarterly sampling events.

3.2.2 Documentation of Construction Completion

Per the requirements of NR 724.15 and as directed by the WDNR during the September 2018 meeting, a construction documentation report will be submitted following the installation of all of the UIC wells. The construction report will provide a narrative of installation procedures and final design details. Supporting documentation will include figures showing the final number and locations of injection wells and well construction logs (form 4400-113A).

3.3 COMPLETION OF REMEDIAL ACTIONS

When the confirmatory sampling indicates that remedial progress has achieved cleanup standards or has been completed to the extent practicable, a Case Close Out Report will be submitted to the WDNR including all required documentation and a request for Site closure. If further remediation is determined to be impractical and/or is no longer cost-effective, Site closure will proceed under NR 720.08(2)(a) and (3)(a) by establishing applicable performance standards. An exemption from the requirements of NR 722.09(2)(b) may be requested based upon the lack of a complete groundwater ingestion pathway. A formal request for soil performance standards and/or an exemption from the requirements of NR 722.09(2)(b) will be included in the Case Close Out Report.

4.0 NR 712 CERTIFICATIONS

"I, Christopher Cailles, P.E., hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Christopher Cailles Project Engineer E-39121

Signature, title and P.E. number

P.E. stamp

"I, Kurt Thomsen, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Signature and title

10/18/18

Date

APPENDIX A
TABLES

Table A.1.A. Groundwater Analytical Table for Volatile Organic Compounds (mg/L)
(Quarterly Groundwater Sampling Wells)

Volatile Organic Compound	Sample Location (Sample Date)							PAL[1]	ES[2]
	TW-2 (11/12/14)	MW-5 (01/27/15)	MW-5 (02/23/16)	MW-5 (05/30/17)	MW-5 (01/05/18)	MW-5 (04/07/18)	MW-5 (07/30/18)		
Benzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00025	0.0005	0.005
Bromobenzene	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00024	NL	NL
Bromochloromethane	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00036	NL	NL
Bromodichloromethane	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.00036*	0.00006	0.0006
Bromoform	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.004*	0.00044	0.0044
Bromomethane	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.00097	0.001	0.01
n-Butylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00071	NL	NL
sec-Butylbenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.00085	NL	NL
tert-Butylbenzene	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.0003	NL	NL
Carbon tetrachloride	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00017	0.0005	0.005
Chlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00071	NL	NL
Chloroethane	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.0013	0.08	0.4
Chloroform	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0013*	0.0006	0.006
Chloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0022	0.003	0.03
2-Chlorotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00093	NL	NL
4-Chlorotoluene	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00076	NL	NL
Dibromochloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0026	0.006	0.006
1,2-Dibromo-3-chloropropane	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0018*	0.00002	0.0002
1,2-Dibromoethane (EDB)	<0.00016*	<0.00018*	<0.00018*	<0.00018*	<0.00018*	<0.00018*	<0.00083*	0.000005	0.00005
Dibromomethane	<0.00043	<0.00043	<0.00043	<0.00043	<0.00043	<0.00043	<0.00094	NL	NL
1,2-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00071	0.06	0.6
1,3-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00063	0.12	0.6
1,4-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00094	0.015	0.075
Dichlorodifluoromethane	<0.0002	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.0005	0.2	1
1,1-Dichloroethane	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00027	0.085	0.85
1,2-Dichloroethane	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00028	0.0005	0.005
1,1-Dichloroethene	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	<0.00024	0.0007	0.007
cis-1,2-Dichloroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00027	0.007	0.07
trans-1,2-Dichoroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.0011	0.02	0.1
1,2-Dichloropropane	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00028	0.0005	0.005
1,3-Dichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00083	NL	NL
2,2-Dichloropropane	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.0023	NL	NL
1,1-Dichloropropene	<0.00044	<0.00044	<0.00044	<0.00044	<0.00044	<0.00044	<0.00054	NL	NL
1,3-Dichloropropene (c & t)	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.008*	0.00004	0.0004
Diisopropyl ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0019	NL	NL
Ethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00022	0.14	0.7
Hexachloro-1,3-butadiene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0012	NL	NL

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L) (Quarterly Groundwater Sampling Wells)

Volatile Organic Compound	Sample Location (Sample Date)							PAL[1]	ES[2]
	TW-2 (11/12/14)	MW-5 (01/27/15)	MW-5 (02/23/16)	MW-5 (05/30/17)	MW-5 (01/05/18)	MW-5 (04/07/18)	MW-5 (07/30/18)		
Isopropyl benzene	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00039	NL	NL
p-Isopropyltoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	NL	NL
Methylene chloride	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00058*	0.0005	0.005
Methyl tertiary-butyl ether	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.0012	0.012	0.06
Naphthalene	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0012	0.01	0.1
n-Propylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00081	NL	NL
Styrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00047	0.01	0.1
1,1,1,2-Tetrachloroethane	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00027	0.007	0.07
1,1,2,2-Tetrachloroethane	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00028*	0.00002	0.0002
Tetrachloroethene	**0.0026**	**0.0026**	**0.0083**	**0.0124**	**0.0181**	**0.0203**	**0.0086**	0.0005	0.005
Toluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00017	0.16	0.8
1,2,3-Trichlorobenzene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.00063	NL	NL
1,2,4-Trichlorobenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.00095	0.014	0.07
1,1,1-Trichloroethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.00057	0.000897	0.00088	0.04	0.2
1,1,2-Trichloroethane	<0.00016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00055*	0.0005	0.005
Trichloroethene	<0.00033	<0.00033	<0.00033	<0.00033	<0.00033	<0.00033	<0.00026	0.0005	0.005
Trichlorofluoromethane	<0.00017	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00021	0.7	3.5
1,2,3-Trichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00059	0.012	0.06
1,2,4-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00084	0.096	0.48
1,3,5-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00087		
Vinyl chloride	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00017	0.4	2
Xylenes (total)	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.00073	3.96	260

[1] – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
[2] – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
Bold – Concentration exceeds the PAL
Underlined – Concentration exceeds the PAL and the ES
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in NR 140
VOCs via USEPA Method SW8260
NOTE – MW-5 generally duplicated TW-2

Table A.1.B. Groundwater Analytical Table for Polynuclear Aromatics (mg/L)
(Quarterly Groundwater Sampling Wells)

Polynuclear Aromatic	Sample Location (Sample Date)							PAL[1]	ES[2]
	TW-6 (11/13/14)	MW-4 (01/27/15)	MW-4 (02/23/16)	MW-4 (05/30/17)	MW-4 (01/05/18)	MW-4 (04/07/18)	MW-4 (07/30/18)		
Acenaphthene	0.00049	0.0000039 (J)	0.00056	0.0386	0.0246	0.0031	0.0021	NL	NL
Acenaphthylene	0.00012	0.000084	0.000073	0.0166	0.0083	0.00073	0.00064	NL	NL
Anthracene	0.00006	0.00006	0.00011	0.0018 (J)	0.0019	0.00051	0.00024	0.6	3
Benzo(a)anthracene	0.000013 (J)	<0.0000032	0.0000082 (J)	0.00044 (J)	<0.00014	0.000012 (J)	<0.000035	NL	NL
Benzo(a)pyrene	0.0000053 (J)	0.000017 (J)	0.000006 (J)	**<0.00049**	**<0.0002**	<0.0000095	**<0.000048**	0.00002	0.0002
Benzo(b)fluoranthene	0.0000093 (J)	**0.000043 (J)**	0.000014 (J)	**<0.00027**	**0.00022 (J)**	0.0000096 (J)	**<0.000026**	0.00002	0.0002
Benzo(g,h,i)perylene	0.0000071 (J)	0.000025 (J)	0.0000081 (J)	<0.00031	<0.00013	<0.0000061	<0.000031	NL	NL
Benzo(k)fluoranthene	<0.000005	0.000021 (J)	<0.0000051	<0.00035	<0.00014	<0.0000068	<0.000035	NL	NL
Chrysene	**0.000021 (J)**	**0.000042 (J)**	0.000017 (J)	**0.0018 (J)**	**0.001 (J)**	**0.000031 (J)**	**<0.00006**	0.00002	0.0002
Dibenzo(a,h)anthracene	<0.0000035	<0.0000033	<0.0000051	<0.00046	<0.00019	<0.000009	<0.000046	NL	NL
Fluoranthene	0.00004 (J)	0.000049	0.00003 (J)	0.0037	0.0046	0.0001	0.000061 (J)	0.08	0.4
Fluorene	0.00061	0.000031 (J)	0.00051	0.0759	0.0504	0.0053	0.0035	0.08	0.4
Indeno(1,2,3-cd)pyrene	0.0000044 (J)	0.000017 (J)	0.0000056 (J)	<0.00082	<0.00033	<0.000016	<0.000081	NL	NL
1-Methylnaphthalene	0.0087	0.000076	0.0041	0.357	0.183	0.0109	0.0395	NL	NL
2-Methylnaphthalene	0.0065	0.000066	0.000037 (J)	0.0747	0.0126	0.00026	0.00051	NL	NL
Naphthalene	0.0022	0.00027	0.00017	**0.0243**	**0.0151**	0.0022	0.0015	0.01	0.1
Phenanthrene	0.00062	0.000033 (J)	0.00029	0.165	0.102	0.0033	0.0031	NL	NL
Pyrene	0.00006	0.0001	0.000081	0.0165	0.0102	0.00032	0.00017 (J)	0.05	0.25

[1] – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
[2] – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
Bold – Concentration exceeds the PAL
Underlined – Concentration exceeds the PAL and the ES
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in Wisconsin Administrative Code
PNAs via USEPA Method SW8270SIM
NOTE – MW-4 installed to duplicate TW-6

Table A.7.A1. Soil Analytical Results Table for Perc and TCE (mg/kg)
(Site Investigation vs Post-Injection Confirmation Samples – Outside Former Dry Cleaner)

Sample Location	Sample Depth	Perc	TCE
GP-311	2-4	**1.89**	<0.0266*
GP-311	8-10	**0.0284**	<0.0253*
GP-311R	2-4	**6.78**	<0.05*
GP-311R	10-12	**0.0384 (J)**	<0.025*
GP-112-E	2-4	**2.52**	<0.026*
GP-112-E	10-12	<0.025*	<0.025*
GP-112-E	12-13	<0.025*	<0.025*
GP-115	2-4	**2.79**	<0.0281*
GP-115	8-10	<0.0287*	<0.0287*
GP-112-S	2-4	**6.16**	**0.0738 (J)**
GP-112-S	6-8	<0.0253*	<0.0253*
GP-112-W	2-4	<0.0281*	<0.0281*
GP-112-W	8-10	<0.0329*	<0.0329*
GP-112-W	10-11	<0.025*	<0.025*
GP-306	8-10	<0.025*	<0.025*
GP-3	8-10	<0.025*	<0.025*
GP-4	2-4	**0.81**	<0.0255*
GP-4	8-10	<0.025*	<0.025*
GP-12	8-10	<0.0255*	<0.0255*
GP-112	2-4	**0.0475 (J)**	<0.025*
GP-114	2-4	**2.86**	**0.0751**
GP-115	2-4	**2.79**	<0.0281*
GP-202	2-4	**28.4**	**0.334 (J)**
GP-306	8-10	<0.025*	<0.025*
GP-307	8-10	<0.0272*	<0.0272*
GP-308	2-4	**0.371**	<0.0263*
GP-308	8-10	<0.025*	<0.025*
GP-309	2-4	**0.108**	<0.0258*
GP-309	8-10	**0.0341 (J)**	<0.025*
GP-310	2-4	**0.046 (J)**	<0.025*
GP-310	8-10	<0.025*	<0.025*
GP-517	2-4	<0.025*	<0.025*
GP-517	6-8	**0.0948**	<0.025*
GP-518	2-4	**4.11**	<0.0263*
GP-518	6-8	**0.262**	<0.0253*
GP-519	2-4	**0.0767 (J)**	<0.025*
GP-520	2-4	**0.53**	<0.025*
GW RCL[1]		**0.045**	**0.0036**
Residential DC RCL[2]		**33**	**1.3**
Industrial DC RCL[3]		**145**	**8.41**

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (June 2018 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial (Residential) property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Industrial DC RCL)

* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR 720.07(2)(d)(1)

(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

VOCs via USEPA Method SW8260B/5035

Samples collected between November 12, 2014 and August 2, 2018

Table A.7.A2. Soil Analytical Results Table for Perc and TCE (mg/kg)
(Site Investigation vs Post-Injection Confirmation Samples – Inside Former Dry Cleaner)

Sample Location	Sample Depth	Perc	TCE
GP-405	0-2	***3,750***	<12.5*
GP-405	6-8	***157***	<0.625*
R-1R	1-3	***732***	***6.01 (J)***
R-1R	3-5	**24.5**	<0.125*
R-1R	7-9	**20.7**	<0.1*
GP-407	0-2	***435***	***1.35 (J)***
GP-407	6-8	**19.3**	<0.1*
P-1R	1-3	***100***	<0.5*
P-1R	3-5	**1.1**	<0.026*
P-1R	7-9	**0.0535 (J)**	<0.025*
GP-405-E	2-4	**0.175**	<0.0258*
GP-405-E	7-9	<0.025*	<0.025*
GP-405-N	2-4	**0.775**	<0.025*
GP-405-N	7-9	<0.025*	<0.025*
GP-405-W	2-4	**0.259**	<0.025*
GP-405-W	7-9	<0.025*	<0.025*
GP-407-S	2-4	<0.025*	<0.025*
GP-407-S	7-9	<0.025*	<0.025*
GP-103	12-14	<0.0417*	<0.0417*
GP-401	6-8	**0.0934 (J)**	<0.025*
GP-402	0-2	***142***	<0.05*
GP-403	0-2	**1.75**	<0.025*
GP-403	6.7	**0.0994**	<0.025*
GP-404	2-4	<0.025*	<0.025*
GP-404	6-8	**0.0303 (J)**	<0.025*
GP-406	2-4	**3.72**	<0.025*
GP-406	6-8	**0.64**	<0.025*
GP-512	2-4	<0.025*	<0.025*
GP-512	8-10	<0.025*	<0.025*
GP-513	2-4	<0.0253*	<0.0253*
GP-513A	2-4	<0.025*	<0.025*
GP-514	2-4	<0.0253*	<0.0253*
GP-514	6-7.5	<0.0253*	<0.0253*
GP-515	2-4	<0.0253*	<0.0253*
GP-515	6-7.5	<0.0255*	<0.0255*
GP-516	2-4	**0.238**	<0.0255*
GP-516	6-8	**1.28**	<0.0263*
GP-517	2-4	<0.025*	<0.025*
GP-517	6-8	**0.0948**	<0.025*
GW RCL[1]		**0.045**	**0.0036**
Residential DC RCL[2]		**33**	**1.3**
Industrial DC RCL[3]		**145**	**8.41**

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (June 2018 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial (Residential) property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Industrial DC RCL)

Underlined – Concentration exceeds the Industrial DC RCL

Italics – Concentration exceeds the Non-industrial DC RCL (property is commercial, not residential)

* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR 720.07(2)(d)(1)

(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

VOCs via USEPA Method SW8260B/5035

Samples collected between November 12, 2014 and August 2, 2018

Table A.7.B. Soil Analytical Results Table for Polynuclear Aromatic Hydrocarbons (mg/kg)
(Site Investigation vs Post-Injection Confirmation Samples – Former Heating Oil UST Area)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)						GW RCL[1]	Residential DC RCL[2]	Industrial DC RCL[3]
	GP-13 (4-6)*	GP-13R (8-10)	GP-13-C (4-6)	GP-13-C (6-8)	GP-13-N (4-6)	GP-13-S (4-6)			
Acenaphthene	4.14	<0.0093	0.436	<0.0044	<0.0044	<0.0044	NL	3,590	45,200
Acenaphthylene	1.23 (J)	<0.0083	0.0987	<0.0037	<0.0038	<0.0037	NL	NL	NL
Anthracene	2.63	<0.0096	0.184	<0.0064	<0.0065	<0.0064	197	17,900	100,000
Benzo(a)anthracene	<0.784	<0.0064	<0.0189	<0.0036	<0.0036	<0.0036	NL	1.14	20.8
Benzo(a)pyrene	**<0.809**	<0.0066	<0.015	<0.0028	<0.0029	<0.0028	0.47	0.115	2.11
Benzo(b)fluoranthene	**<1.13**	<0.0093	<0.0168	<0.0032	<0.0032	<0.0032	0.48	1.15	21.1
Benzo(g,h,i)perylene	<0.862	<0.007	<0.0121	<0.0023	<0.0023	<0.0023	NL	NL	NL
Benzo(k)fluoranthene	<1.25	<0.0102	<0.0149	<0.0028	<0.0029	<0.0028	NL	11.5	211
Chrysene	**<1.05**	<0.0086	0.0208 (J)	0.0051 (J)	<0.0039	<0.0038	0.14	115	2,110
Dibenzo(a,h)anthracene	<0.83	<0.0068	<0.0133	<0.0025	<0.0026	<0.0025	NL	0.115	2.11
Fluoranthene	<1.13	<0.0093	0.0378 (J)	0.0061 (J)	<0.006	<0.0059	88	2,390	30,100
Fluorene	6.58	<0.0093	0.41	<0.0047	<0.0047	<0.0047	14	2,390	30,100
Indeno(1,2,3-cd)pyrene	<0.86	<0.007	<0.0131	<0.0025	<0.0025	<0.0025	NL	1.15	21.1
1-Methylnaphthene	33.9	<0.0093	1.15	<0.0045	0.0073 (J)	<0.0045	NL	17.6	72.7
2-Methylnaphthene	35.5	<0.0093	0.189	<0.0056	<0.0057	<0.0056	NL	239	3,010
Naphthalene	**7.63**	<0.0093	0.14 (J)	<0.0095	<0.0096	<0.0095	0.66	5.52	24.1
Phenanthrene	12.5	<0.0093	1.06	<0.0131	<0.0133	<0.0131	NL	NL	NL
Pyrene	<1.13	<0.0093	0.116	0.0056 (J)	<0.0052	<0.0051	55	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (June 2018 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial (Residential) property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Non-Industrial DC RCL)

Underlined – Concentration exceeds the Non-Industrial DC RCL in soil sample collected within the 0-ft to 4-ft DC zone

(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on August 2, 2018, except GP-13/GP-13R (collected November 2014/January 2015)

*NOTE – Concentrations previously observed in GP-13 are replaced by the current, post-injection concentrations observed in GP-13-C

Table A.7.B (Continued). Soil Analytical Results Table for Polynuclear Aromatic Hydrocarbons (mg/kg)
(Site Investigation vs Post-Injection Confirmation Samples – Former Heating Oil UST Area)

Polynuclear Aromatic Hydrocarbon	Sample Location (Sample Depth)							GW RCL[1]	Non-Industrial DC RCL[2]	Industrial DC RCL[3]
	GP-1 (8-10)	GP-2 (8-10)	GP-14 (2-4)	GP-15 (4-6)	GP-203 (4-6)	GP-204 (4-6)	GP-205 (4-6)			
Acenaphthene	<0.0093	<0.0094	<0.0105	<0.0096	<0.0103	<0.0105	0.0655	NL	3,590	45,200
Acenaphthylene	<0.0083	<0.0084	<0.0094	<0.0086	<0.0092	<0.0094	0.02	NL	NL	NL
Anthracene	<0.0097	<0.0098	<0.0109	<0.01	<0.0106	<0.0109	0.045	196.9	17,900	100,000
Benzo(a)anthracene	<0.0065	<0.0065	<0.0073	<0.0067	<0.0071	<0.0073	0.025	NL	1.14	20.8
Benzo(a)pyrene	<0.0067	<0.0067	<0.0075	<0.0069	<0.0073	<0.0075	0.0273	0.47	0.115	2.11
Benzo(b)fluoranthene	<0.0093	<0.0094	<0.0105	<0.0096	<0.0103	<0.0105	0.0275	0.478	1.15	21.1
Benzo(g,h,i)perylene	<0.0071	<0.0072	<0.008	<0.0073	<0.0078	<0.008	0.0123 (J)	NL	NL	NL
Benzo(k)fluoranthene	<0.0103	<0.0104	<0.0116	<0.0106	<0.0114	<0.0116	0.0277	NL	11.5	211
Chrysene	<0.0086	<0.0087	<0.0097	<0.0089	<0.0095	<0.0097	0.034	0.144	115	2,110
Dibenzo(a,h)anthracene	<0.0068	<0.0069	<0.0077	<0.0071	<0.0075	<0.0077	<0.0071	NL	0.115	2.11
Fluoranthene	<0.0093	<0.0094	<0.0105	<0.0096	<0.0103	<0.0105	0.0473	88.878	2,390	30,100
Fluorene	<0.0093	<0.0094	<0.0105	<0.0096	<0.0103	<0.0105	0.0929	14.823	2,390	30,100
Indeno(1,2,3-cd)pyrene	<0.0071	<0.0072	<0.008	<0.0073	<0.0078	<0.008	0.0098 (J)	NL	1.15	21.1
1-Methylnaphthene	<0.0093	<0.0094	<0.0105	<0.0096	<0.0103	<0.0105	0.0352	NL	17.6	72.7
2-Methylnaphthene	<0.0093	<0.0094	<0.0105	<0.0096	<0.0103	<0.0105	0.0466	NL	239	3,010
Naphthalene	<0.0093	<0.0094	0.0118	<0.0096	<0.0103	<0.0105	0.026	0.658	5.52	24.1
Phenanthrene	<0.0093	<0.0094	<0.0105	<0.0096	<0.0103	<0.0105	0.103	NL	NL	NL
Pyrene	<0.0093	<0.0094	<0.0105	<0.0096	<0.0103	<0.0105	0.0609	54.546	1,790	22,600

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (December 2017 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (December 2017 update)

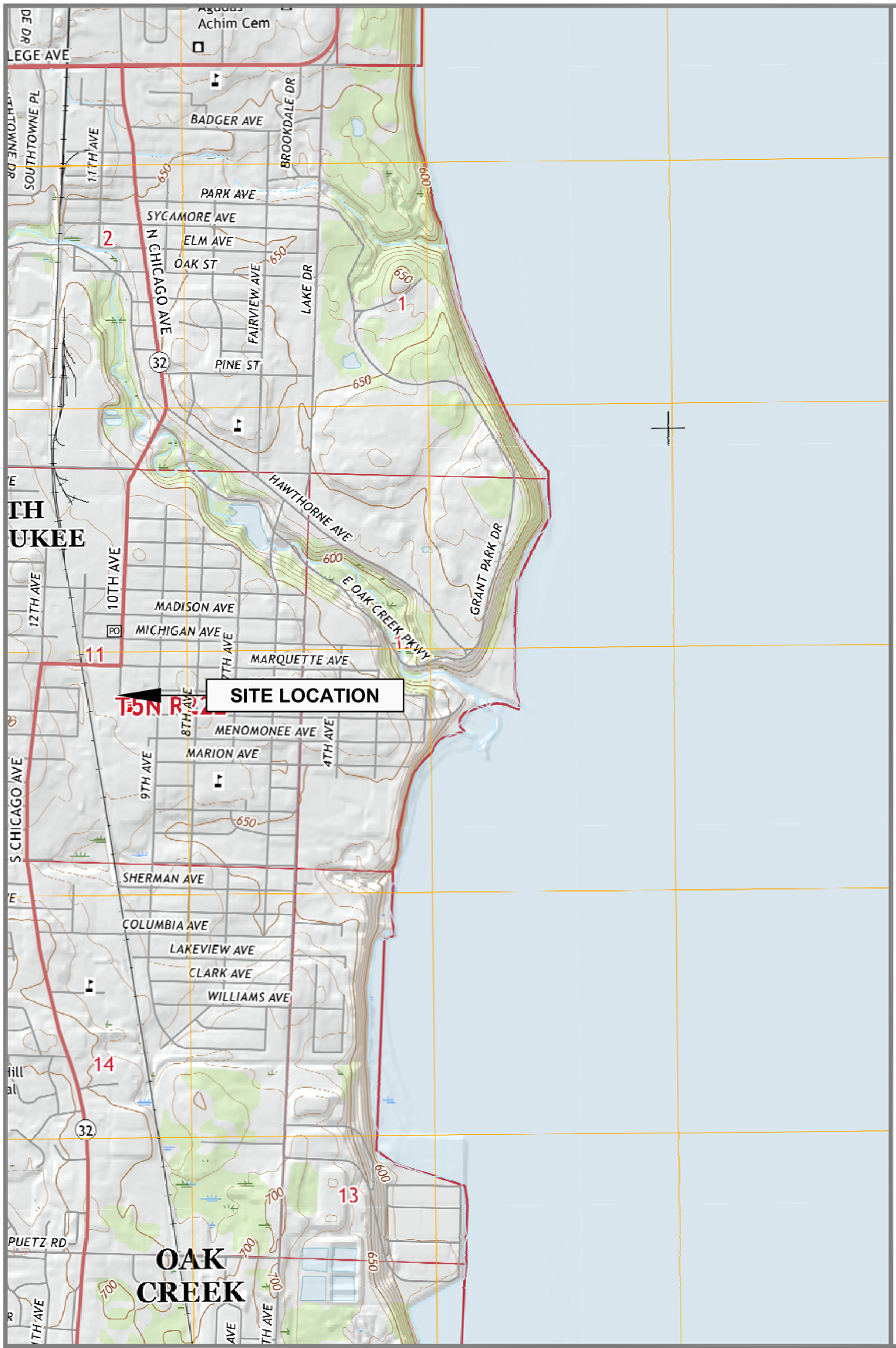
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

NL – Not Listed

PNAs via USEPA Method SW8270SIM

Samples collected on November 12-13, 2014 or December 11, 2015

APPENDIX B
FIGURES



LEGEND

SOUTH MILWAUKEE QUADRANGLE
WISCONSIN-MILWAUKEE CO.
7.5-MINUTE SERIES
(2016 TOPOGRAPHIC)

N

0' 2,000'
S C A L E

CAD FILE: 6255-25A
REVISED: 05/01/17

ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

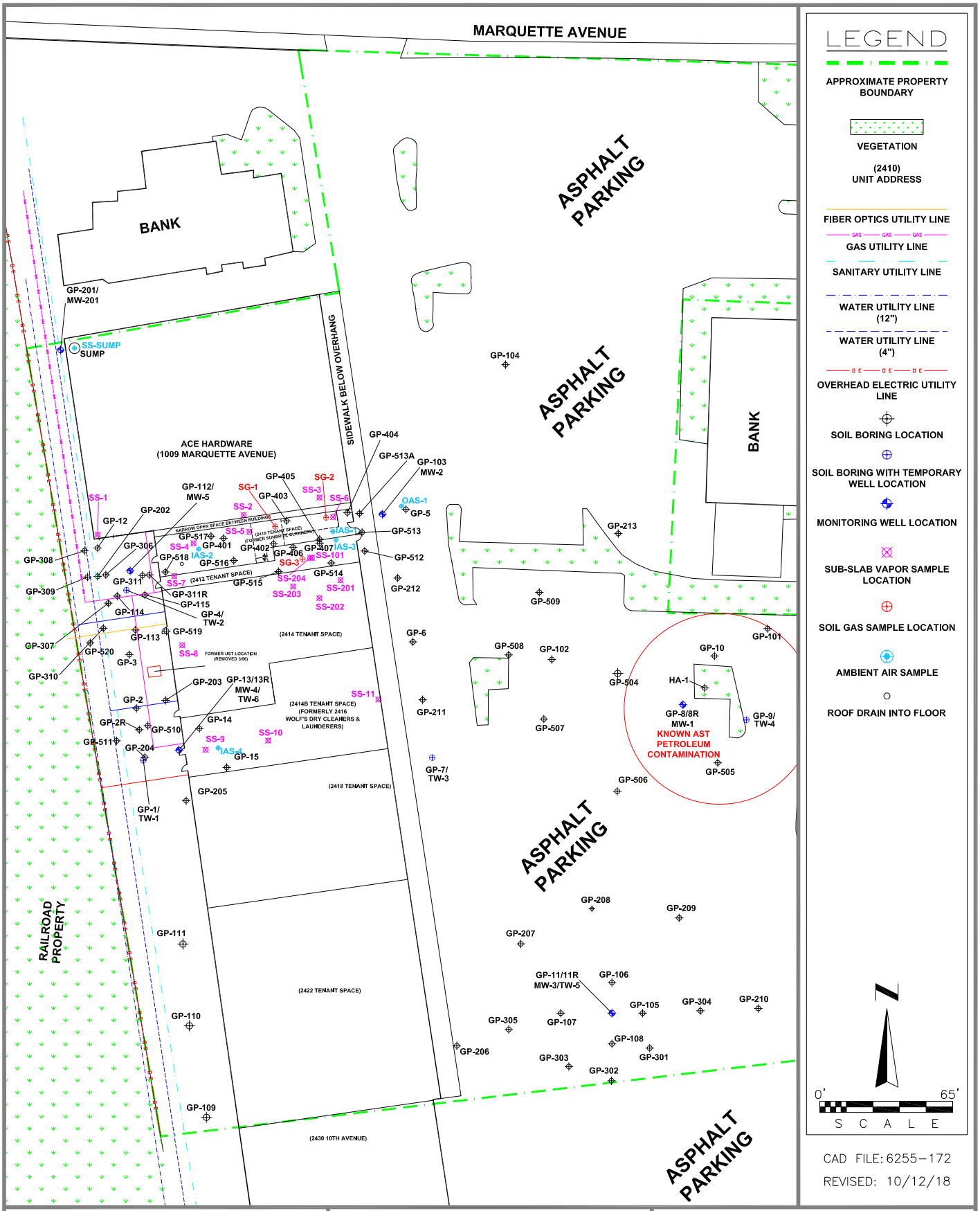
FIGURE B.1.a.
LOCATION MAP

CAD FILE: 6255-22A
REVISED: 09/07/17

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.1.b.1
DETAILED SITE MAP WITH AERIAL VIEW OF SITE AND SURROUNDING PROPERTY (2015 AERIAL TAKEN FROM GOOGLE EARTH)



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- SOIL BORING LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- MONITORING WELL LOCATION
- SUB-SLAB VAPOR SAMPLE LOCATION
- SOIL GAS SAMPLE LOCATION
- AMBIENT AIR SAMPLE
- ROOF DRAIN INTO FLOOR

N

0' 65'

S C A L E

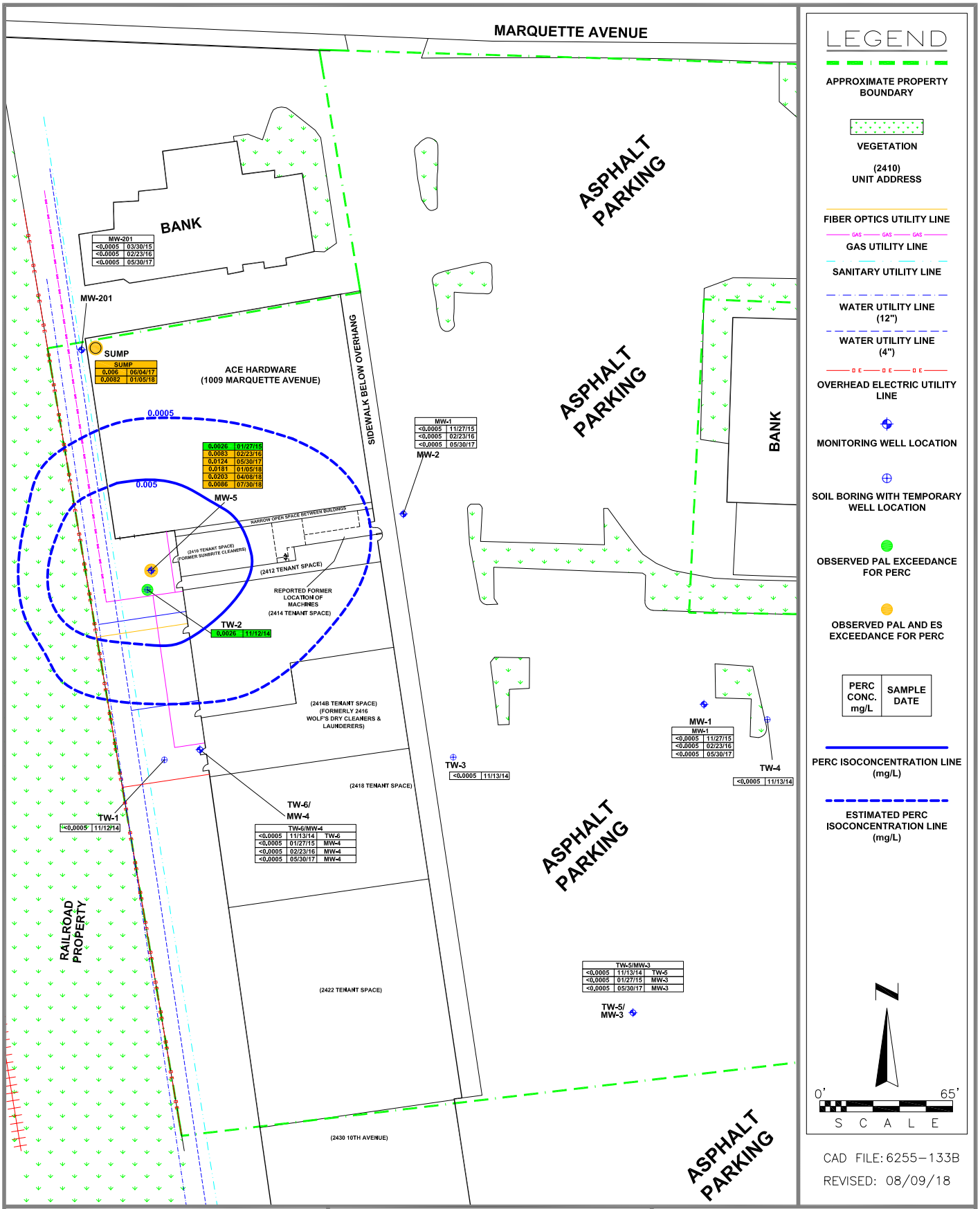
CAD FILE: 6255-172

REVISED: 10/12/18

ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.1.b.2
DETAILED SITE MAP SHOWING SOIL, GROUNDWATER, AND VAPOR SAMPLING LOCATIONS



LEGEND

APPROXIMATE PROPERTY BOUNDARY

VEGETATION

(2410) UNIT ADDRESS

FIBER OPTICS UTILITY LINE

GAS GAS GAS

GAS UTILITY LINE

SANITARY UTILITY LINE

WATER UTILITY LINE (12")

WATER UTILITY LINE (4")

OE OE OE

OVERHEAD ELECTRIC UTILITY LINE

MONITORING WELL LOCATION

SOIL BORING WITH TEMPORARY WELL LOCATION

OBSERVED PAL EXCEEDANCE FOR PERC

OBSERVED PAL AND ES EXCEEDANCE FOR PERC

PERC CONC. mg/L	SAMPLE DATE

PERC ISOCONCENTRATION LINE (mg/L)

ESTIMATED PERC ISOCONCENTRATION LINE (mg/L)

N

0' 65'

S C A L E

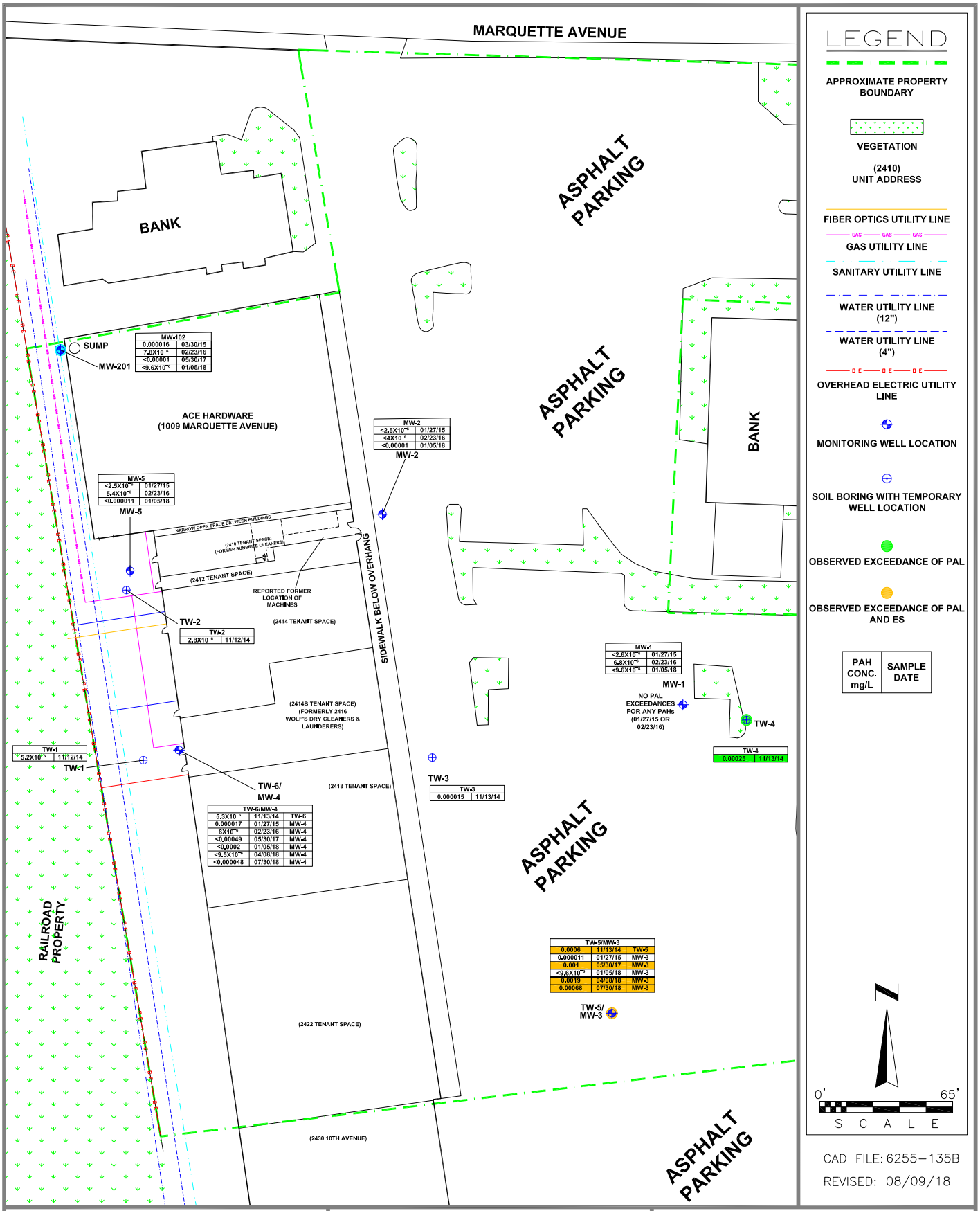
CAD FILE: 6255-133B

REVISED: 08/09/18

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.b.1
GROUNDWATER ISOCONCENTRATION (PERC)



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- VEGETATION
- (2410) UNIT ADDRESS
- FIBER OPTICS UTILITY LINE
- GAS UTILITY LINE
- SANITARY UTILITY LINE
- WATER UTILITY LINE (12")
- WATER UTILITY LINE (4")
- OVERHEAD ELECTRIC UTILITY LINE
- MONITORING WELL LOCATION
- SOIL BORING WITH TEMPORARY WELL LOCATION
- OBSERVED EXCEEDANCE OF PAL
- OBSERVED EXCEEDANCE OF PAL AND ES

PAH CONC. mg/L	SAMPLE DATE

N

0' 65'

S C A L E

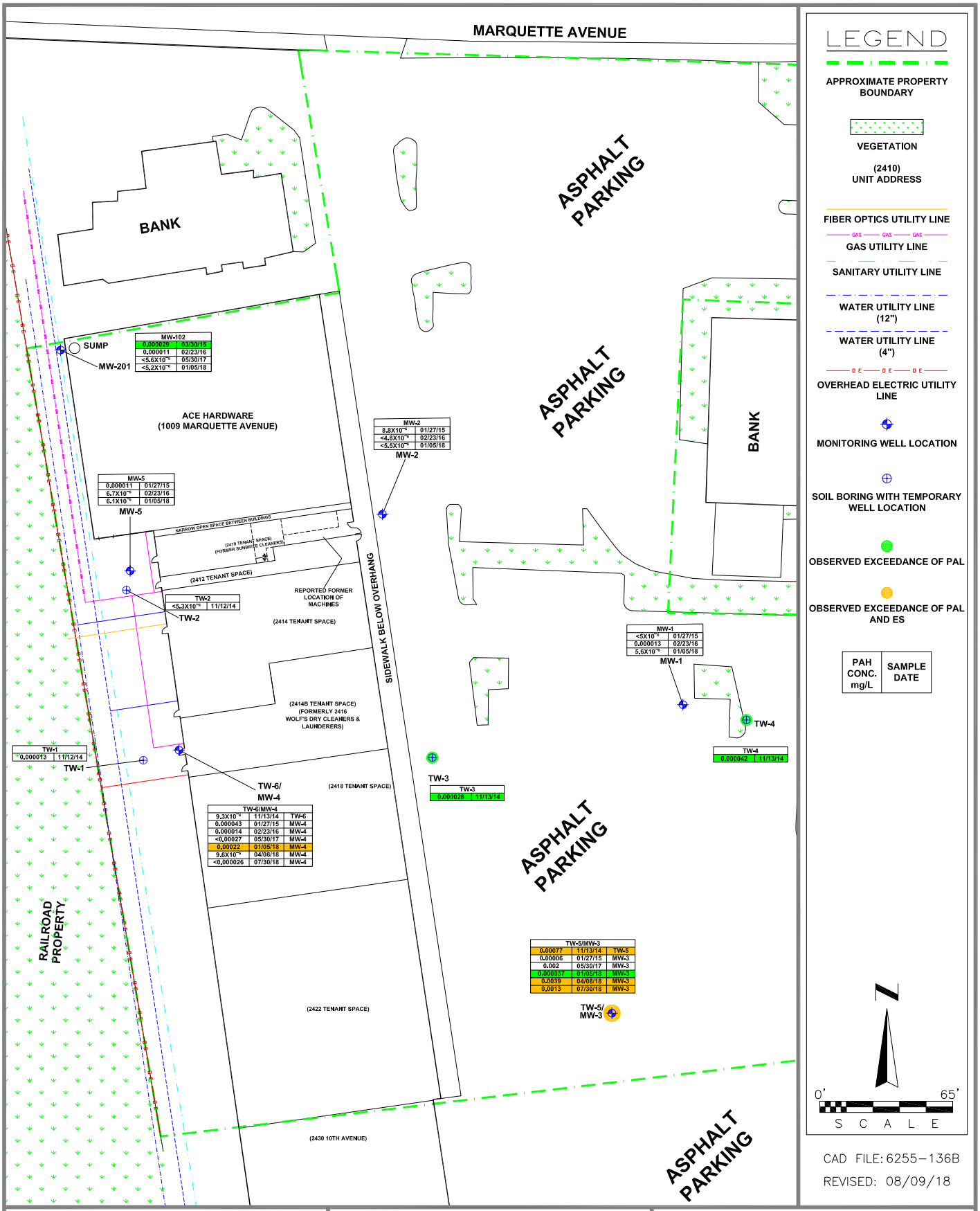
CAD FILE: 6255-135B

REVISED: 08/09/18

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.b.2a
GROUNDWATER ISOCONCENTRATION (BENZO(A)PYRENE)



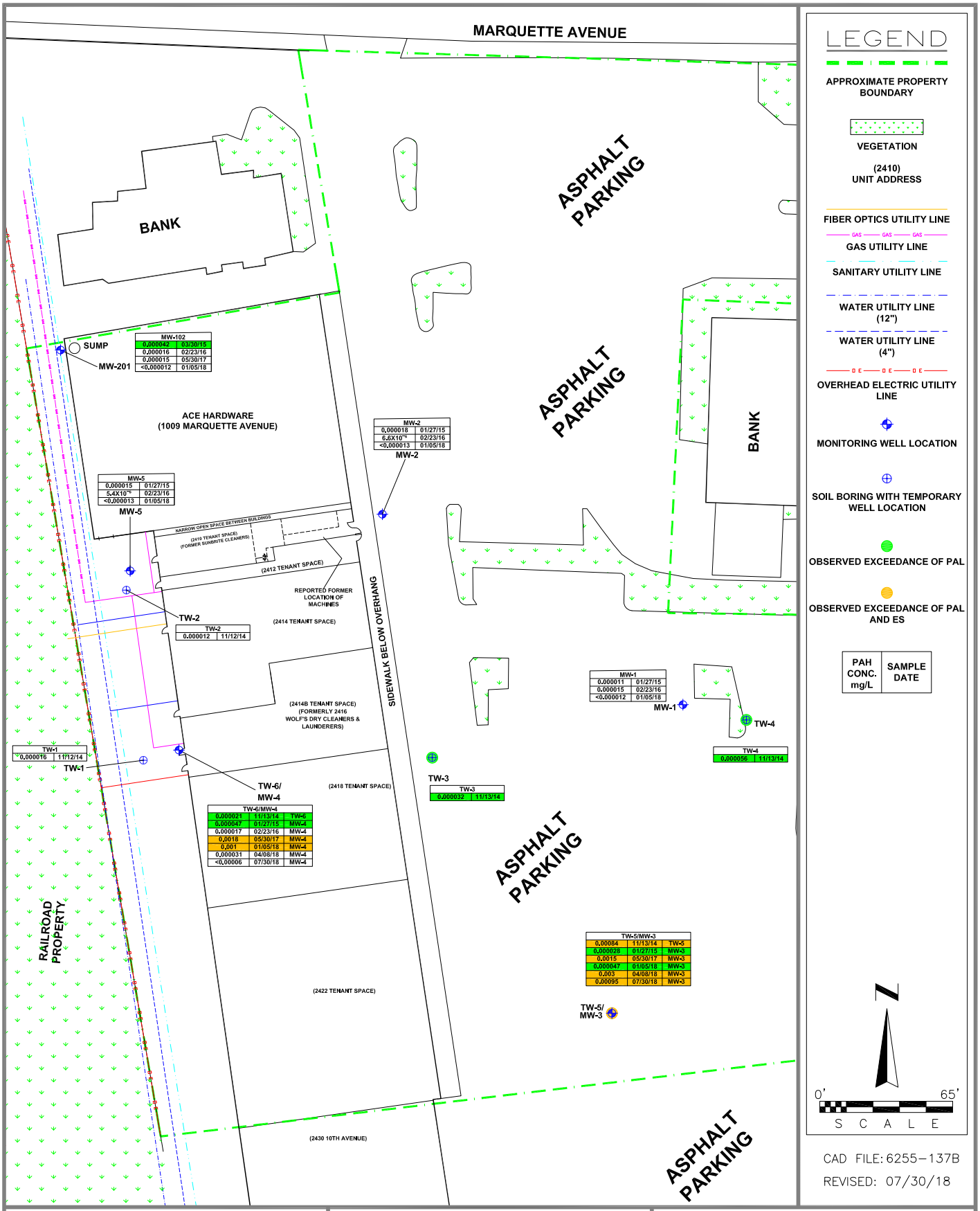
CAD FILE: 6255-136B

REVISED: 08/09/18

DAI ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

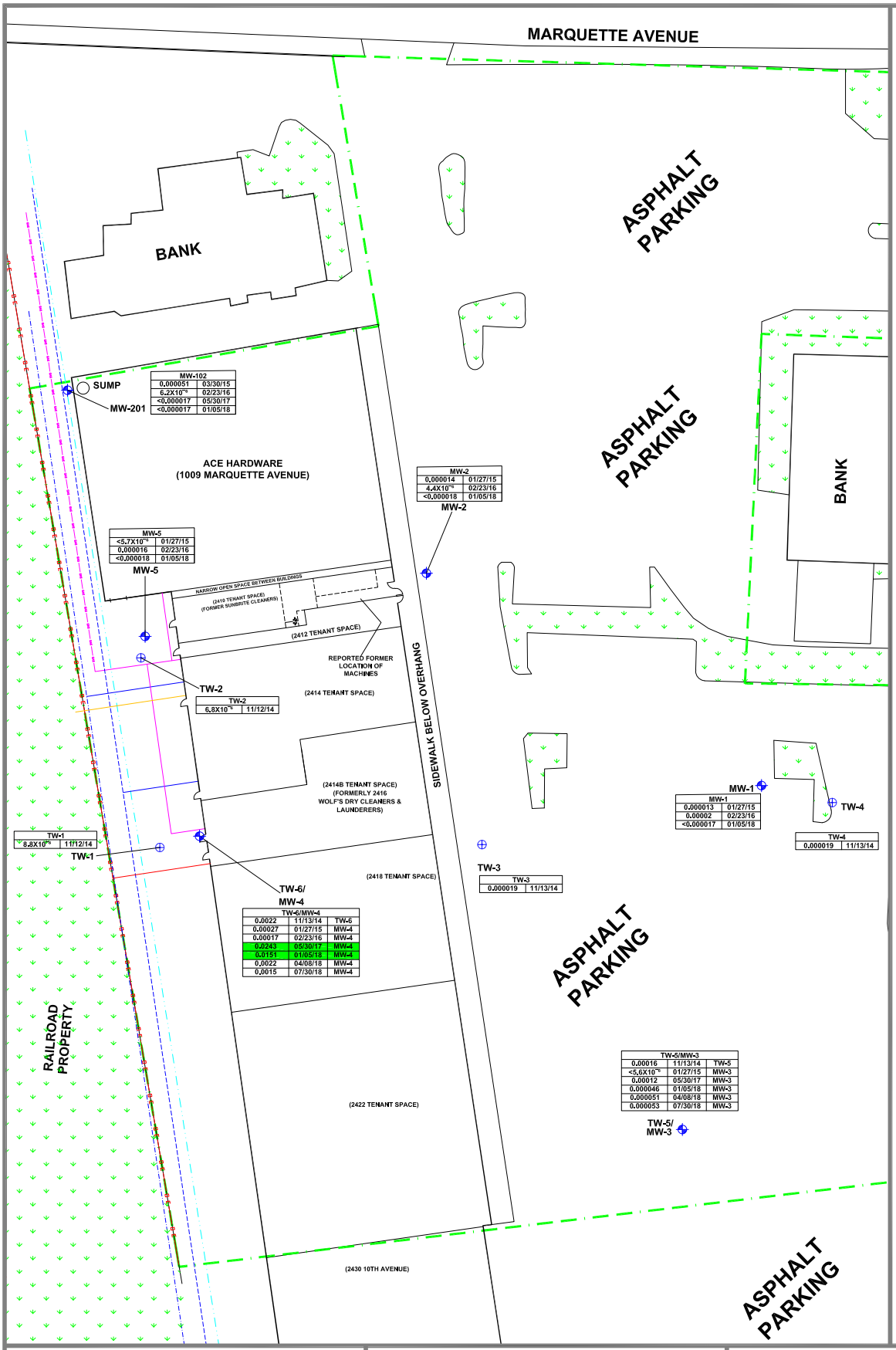
FIGURE B.3.b.2b
GROUNDWATER ISOCONCENTRATION (BENZO(B)FLUORANTHENE)



ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.b.2c
GROUNDWATER ISOCONCENTRATION (CHRYSENE)



LEGEND

APPROXIMATE PROPERTY BOUNDARY

VEGETATION

(2410) UNIT ADDRESS

FIBER OPTICS UTILITY LINE

GAS UTILITY LINE

SANITARY UTILITY LINE

WATER UTILITY LINE (12")

WATER UTILITY LINE (4")

OVERHEAD ELECTRIC UTILITY LINE

MONITORING WELL LOCATION

SOIL BORING WITH TEMPORARY WELL LOCATION

OBSERVED EXCEEDANCE OF PAL

OBSERVED EXCEEDANCE OF PAL AND ES

PAH CONC. mg/L	SAMPLE DATE

N

0' 65'

S C A L E

CAD FILE: 6255-138B

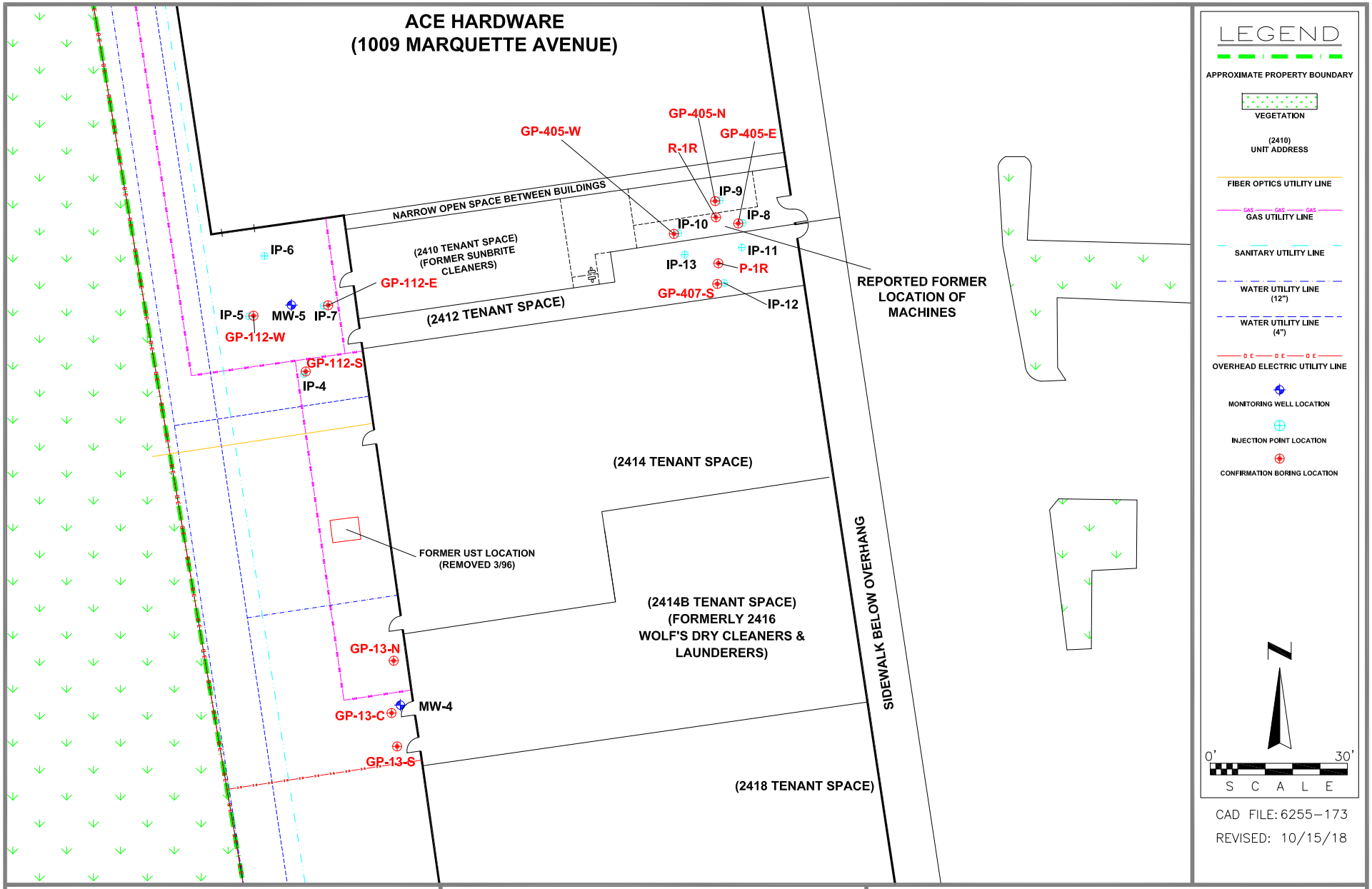
REVISED: 08/10/18

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE B.3.b.2d
GROUNDWATER ISOCONCENTRATION (NAPHTHALENE)

APPENDIX C.6.A
CHEMICAL INJECTION TREATMENT FIGURES



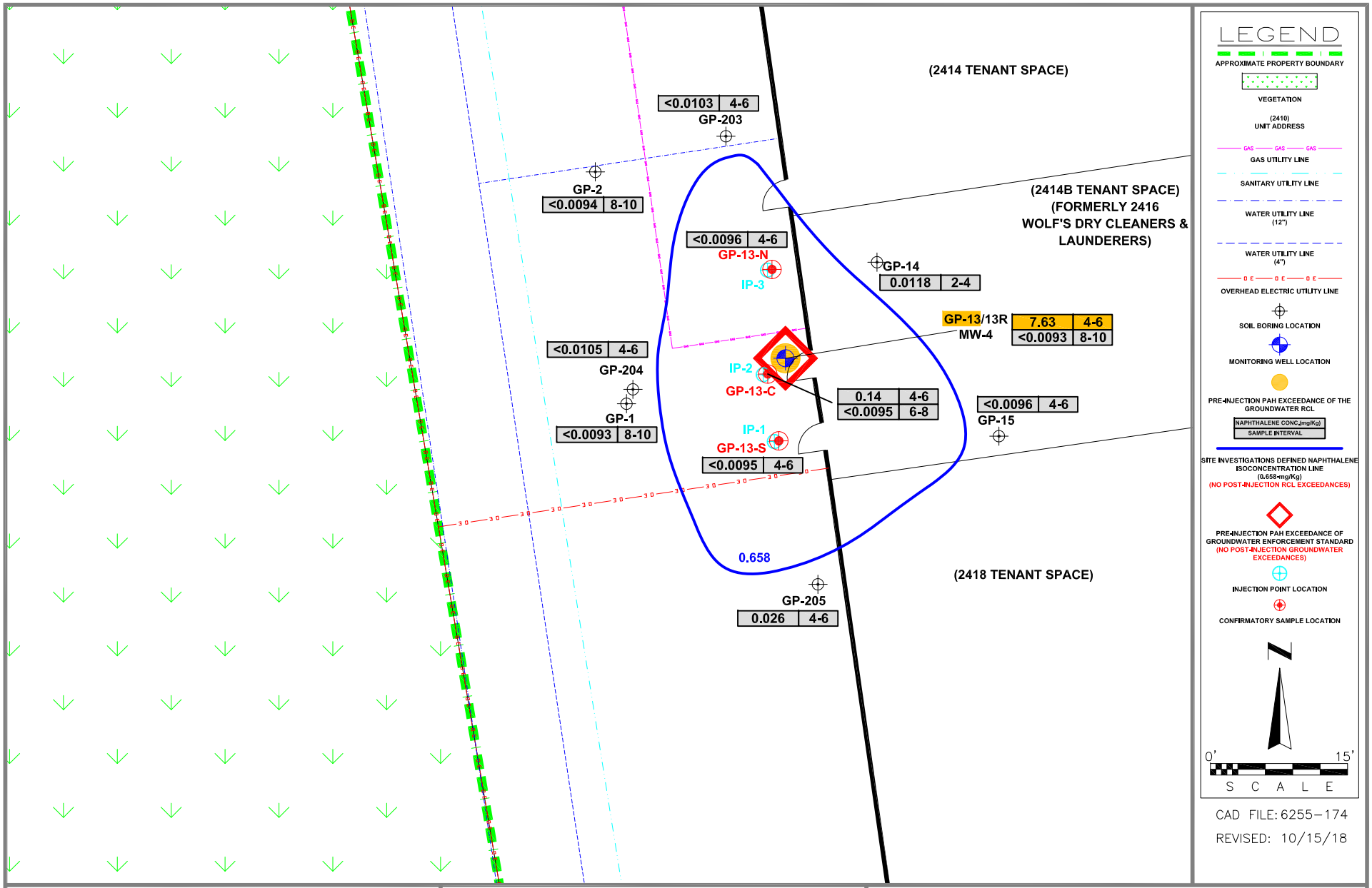
CAD FILE: 6255-173

REVISED: 10/15/18

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE C.6.a
CHEMICAL INJECTION PILOT TEST OVERVIEW
SHOWING INJECTION POINT AND
CONFIRMATION BORING LOCATIONS



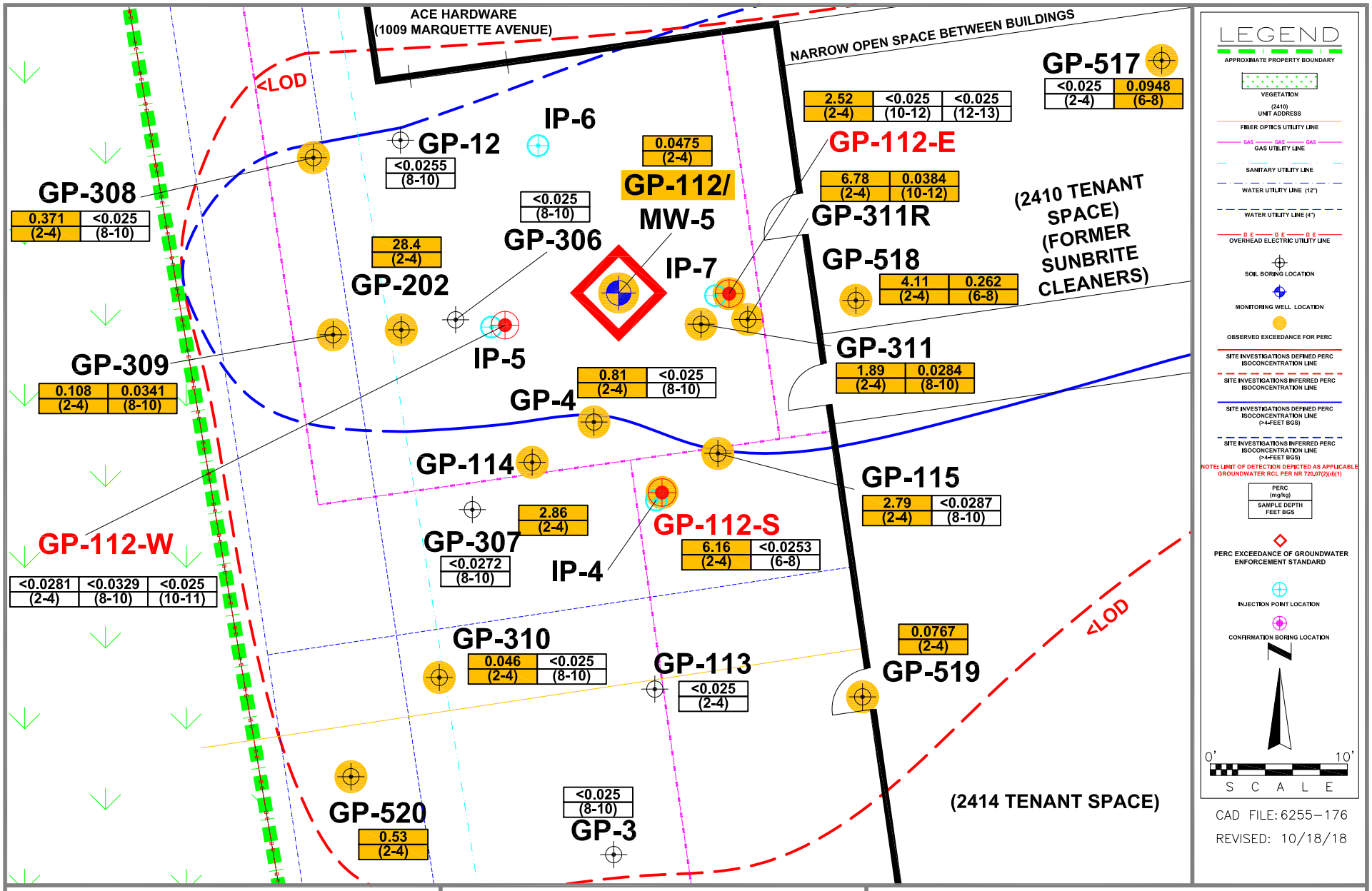
CAD FILE: 6255-174

REVISED: 10/15/18

DAI ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE C.6.a1
CHEMICAL INJECTION PILOT TEST DETAIL
(FORMER HEATING OIL UST)



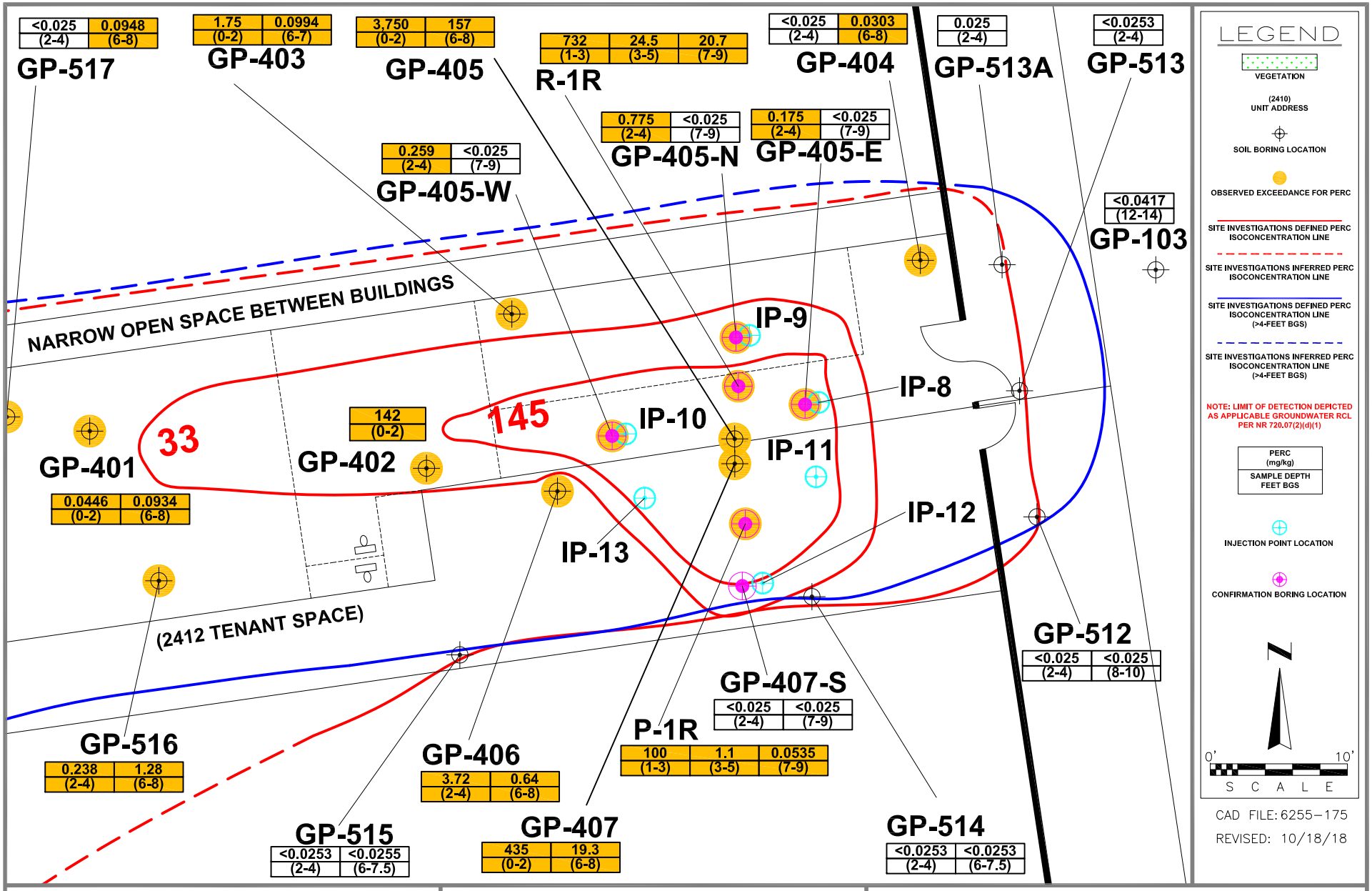
CAD FILE: 6255-176

REVISED: 10/18/18

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE C.6.a.2
CHEMICAL INJECTION PILOT TEST DETAIL
(OUTSIDE FORMER DRY CLEANER)



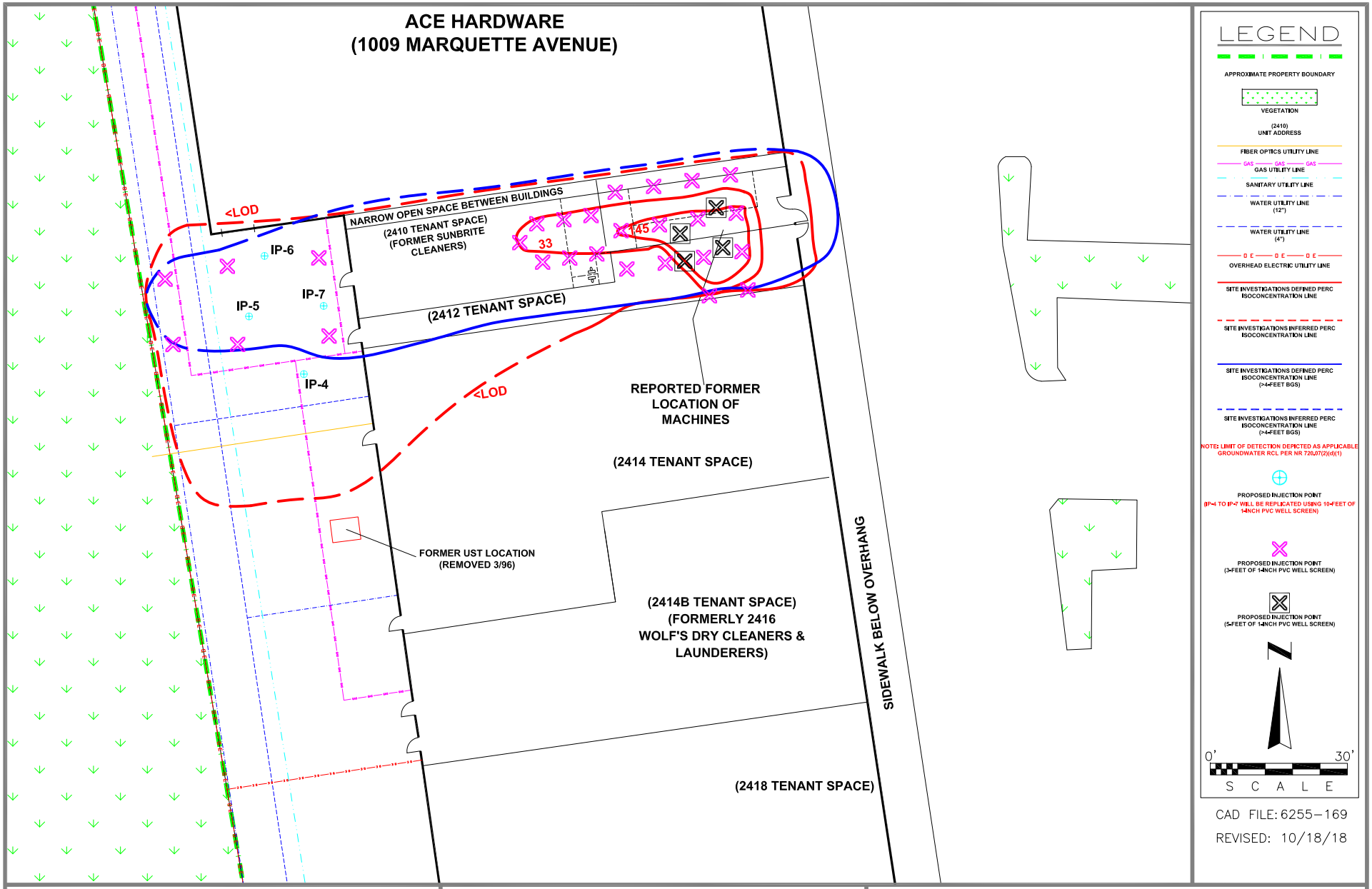
CAD FILE: 6255-175

REVISED: 10/18/18

DAI ENVIRONMENTAL

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE C.6.a.3
CHEMICAL INJECTION PILOT TEST DETAIL
(INSIDE FORMER DRY CLEANER)



CAD FILE: 6255-169

REVISED: 10/18/18

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE C.6.b
PROPOSED CHEMICAL INJECTION
UIC WELL LOCATIONS
(FORMER DRY CLEANER)

APPENDIX C.6.B
PILOT TEST LABORATORY ANALYTICAL DATA

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

August 07, 2018

Chris Cailles
DAI Environmental
Polo Park Business Center
27834 Irma Lee Circle
Lake Forest, IL 60045

RE: Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

Dear Chris Cailles:
Enclosed are the analytical results for sample(s) received by the laboratory on August 01, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Laurie Woelfel

Laurie Woelfel
laurie.woelfel@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Jenny Rovzar, DAI

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40173368001	**MW-3**	Water	07/30/18 12:20	08/01/18 10:40
40173368002	**MW-4**	Water	07/30/18 13:40	08/01/18 10:40
40173368003	**MW-5**	Water	07/30/18 14:30	08/01/18 10:40

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Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40173368001	**MW-3**	EPA 8270 by HVI	TPO	20
40173368002	**MW-4**	EPA 8270 by HVI	TPO	20
40173368003	**MW-5**	EPA 8260	HNW	64

Pace Analytical Services, LLC
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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

Sample: MW-3 **Lab ID: 40173368001** Collected: 07/30/18 12:20 Received: 08/01/18 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**0.014J**	ug/L	0.028	0.0055	1	08/02/18 08:54	08/03/18 11:35	83-32-9	
Acenaphthylene	**0.023**	ug/L	0.023	0.0045	1	08/02/18 08:54	08/03/18 11:35	208-96-8	
Anthracene	**0.073**	ug/L	0.048	0.0095	1	08/02/18 08:54	08/03/18 11:35	120-12-7	
Benzo(a)anthracene	**0.43**	ug/L	0.034	0.0069	1	08/02/18 08:54	08/03/18 11:35	56-55-3	
Benzo(a)pyrene	**0.68**	ug/L	0.048	0.0096	1	08/02/18 08:54	08/03/18 11:35	50-32-8	
Benzo(b)fluoranthene	**1.3**	ug/L	0.026	0.0052	1	08/02/18 08:54	08/03/18 11:35	205-99-2	
Benzo(g,h,i)perylene	**0.82**	ug/L	0.031	0.0062	1	08/02/18 08:54	08/03/18 11:35	191-24-2	
Benzo(k)fluoranthene	**0.41**	ug/L	0.034	0.0069	1	08/02/18 08:54	08/03/18 11:35	207-08-9	
Chrysene	**0.95**	ug/L	0.059	0.012	1	08/02/18 08:54	08/03/18 11:35	218-01-9	
Dibenz(a,h)anthracene	**0.15**	ug/L	0.046	0.0091	1	08/02/18 08:54	08/03/18 11:35	53-70-3	
Fluoranthene	**1.9**	ug/L	0.048	0.0097	1	08/02/18 08:54	08/03/18 11:35	206-44-0	
Fluorene	**0.040**	ug/L	0.036	0.0072	1	08/02/18 08:54	08/03/18 11:35	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.89**	ug/L	0.080	0.016	1	08/02/18 08:54	08/03/18 11:35	193-39-5	
1-Methylnaphthalene	**0.033**	ug/L	0.027	0.0054	1	08/02/18 08:54	08/03/18 11:35	90-12-0	
2-Methylnaphthalene	**0.031**	ug/L	0.022	0.0045	1	08/02/18 08:54	08/03/18 11:35	91-57-6	
Naphthalene	**0.053J**	ug/L	0.083	0.017	1	08/02/18 08:54	08/03/18 11:35	91-20-3	
Phenanthrene	**0.47**	ug/L	0.063	0.013	1	08/02/18 08:54	08/03/18 11:35	85-01-8	
Pyrene	**1.2**	ug/L	0.035	0.0070	1	08/02/18 08:54	08/03/18 11:35	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	39	%	29-80		1	08/02/18 08:54	08/03/18 11:35	321-60-8	
Terphenyl-d14 (S)	30	%	10-123		1	08/02/18 08:54	08/03/18 11:35	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

Sample: MW-4 **Lab ID: 40173368002** Collected: 07/30/18 13:40 Received: 08/01/18 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**2.1**	ug/L	0.14	0.028	5	08/02/18 08:54	08/03/18 11:53	83-32-9	
Acenaphthylene	**0.64**	ug/L	0.11	0.023	5	08/02/18 08:54	08/03/18 11:53	208-96-8	
Anthracene	**0.24**	ug/L	0.24	0.048	5	08/02/18 08:54	08/03/18 11:53	120-12-7	
Benzo(a)anthracene	**<0.035**	ug/L	0.17	0.035	5	08/02/18 08:54	08/03/18 11:53	56-55-3	
Benzo(a)pyrene	**<0.048**	ug/L	0.24	0.048	5	08/02/18 08:54	08/03/18 11:53	50-32-8	
Benzo(b)fluoranthene	**<0.026**	ug/L	0.13	0.026	5	08/02/18 08:54	08/03/18 11:53	205-99-2	
Benzo(g,h,i)perylene	**<0.031**	ug/L	0.16	0.031	5	08/02/18 08:54	08/03/18 11:53	191-24-2	
Benzo(k)fluoranthene	**<0.035**	ug/L	0.17	0.035	5	08/02/18 08:54	08/03/18 11:53	207-08-9	
Chrysene	**<0.060**	ug/L	0.30	0.060	5	08/02/18 08:54	08/03/18 11:53	218-01-9	
Dibenz(a,h)anthracene	**<0.046**	ug/L	0.23	0.046	5	08/02/18 08:54	08/03/18 11:53	53-70-3	
Fluoranthene	**0.061J**	ug/L	0.24	0.049	5	08/02/18 08:54	08/03/18 11:53	206-44-0	
Fluorene	**3.5**	ug/L	0.18	0.037	5	08/02/18 08:54	08/03/18 11:53	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.081**	ug/L	0.40	0.081	5	08/02/18 08:54	08/03/18 11:53	193-39-5	
1-Methylnaphthalene	**39.5**	ug/L	0.14	0.027	5	08/02/18 08:54	08/03/18 11:53	90-12-0	
2-Methylnaphthalene	**0.51**	ug/L	0.11	0.022	5	08/02/18 08:54	08/03/18 11:53	91-57-6	
Naphthalene	**1.5**	ug/L	0.42	0.084	5	08/02/18 08:54	08/03/18 11:53	91-20-3	
Phenanthrene	**3.1**	ug/L	0.32	0.063	5	08/02/18 08:54	08/03/18 11:53	85-01-8	
Pyrene	**0.17J**	ug/L	0.18	0.035	5	08/02/18 08:54	08/03/18 11:53	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	29-80		5	08/02/18 08:54	08/03/18 11:53	321-60-8	
Terphenyl-d14 (S)	42	%	10-123		5	08/02/18 08:54	08/03/18 11:53	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

Sample: MW-5 **Lab ID: 40173368003** Collected: 07/30/18 14:30 Received: 08/01/18 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	0.82	0.25	1		08/02/18 10:46	71-43-2	
Bromobenzene	**<0.24**	ug/L	0.80	0.24	1		08/02/18 10:46	108-86-1	
Bromochloromethane	**<0.36**	ug/L	1.2	0.36	1		08/02/18 10:46	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		08/02/18 10:46	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		08/02/18 10:46	75-25-2	
Bromomethane	**<0.97**	ug/L	3.2	0.97	1		08/02/18 10:46	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		08/02/18 10:46	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	2.8	0.85	1		08/02/18 10:46	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		08/02/18 10:46	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	0.55	0.17	1		08/02/18 10:46	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/02/18 10:46	108-90-7	
Chloroethane	**<1.3**	ug/L	4.5	1.3	1		08/02/18 10:46	75-00-3	
Chloroform	**<1.3**	ug/L	4.2	1.3	1		08/02/18 10:46	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		08/02/18 10:46	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	3.1	0.93	1		08/02/18 10:46	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		08/02/18 10:46	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		08/02/18 10:46	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		08/02/18 10:46	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		08/02/18 10:46	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		08/02/18 10:46	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		08/02/18 10:46	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/02/18 10:46	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		08/02/18 10:46	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	1.7	0.50	1		08/02/18 10:46	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	0.91	0.27	1		08/02/18 10:46	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	0.93	0.28	1		08/02/18 10:46	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	0.82	0.24	1		08/02/18 10:46	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	0.90	0.27	1		08/02/18 10:46	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		08/02/18 10:46	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	0.94	0.28	1		08/02/18 10:46	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		08/02/18 10:46	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		08/02/18 10:46	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		08/02/18 10:46	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		08/02/18 10:46	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		08/02/18 10:46	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		08/02/18 10:46	108-20-3	
Ethylbenzene	**<0.22**	ug/L	0.73	0.22	1		08/02/18 10:46	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	3.9	1.2	1		08/02/18 10:46	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	1.3	0.39	1		08/02/18 10:46	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		08/02/18 10:46	99-87-6	
Methylene Chloride	**<0.58**	ug/L	1.9	0.58	1		08/02/18 10:46	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		08/02/18 10:46	1634-04-4	
Naphthalene	**<1.2**	ug/L	3.9	1.2	1		08/02/18 10:46	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	2.7	0.81	1		08/02/18 10:46	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		08/02/18 10:46	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	0.90	0.27	1		08/02/18 10:46	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

Sample: MW-5 **Lab ID: 40173368003** Collected: 07/30/18 14:30 Received: 08/01/18 10:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	0.92	0.28	1		08/02/18 10:46	79-34-5	
Tetrachloroethene	**8.6**	ug/L	1.1	0.33	1		08/02/18 10:46	127-18-4	
Toluene	**<0.17**	ug/L	0.57	0.17	1		08/02/18 10:46	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		08/02/18 10:46	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	3.2	0.95	1		08/02/18 10:46	120-82-1	
1,1,1-Trichloroethane	**0.88**	ug/L	0.82	0.24	1		08/02/18 10:46	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	1.8	0.55	1		08/02/18 10:46	79-00-5	
Trichloroethene	**<0.26**	ug/L	0.85	0.26	1		08/02/18 10:46	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	0.72	0.21	1		08/02/18 10:46	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	2.0	0.59	1		08/02/18 10:46	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		08/02/18 10:46	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		08/02/18 10:46	108-67-8	
Vinyl chloride	**<0.17**	ug/L	0.58	0.17	1		08/02/18 10:46	75-01-4	
m&p-Xylene	**<0.47**	ug/L	1.6	0.47	1		08/02/18 10:46	179601-23-1	
o-Xylene	**<0.26**	ug/L	0.87	0.26	1		08/02/18 10:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		08/02/18 10:46	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		08/02/18 10:46	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		08/02/18 10:46	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

QC Batch: 296161 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40173368003

METHOD BLANK: 1730312 Matrix: Water
Associated Lab Samples: 40173368003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	0.90	08/02/18 08:37	
1,1,1-Trichloroethane	ug/L	<0.24	0.82	08/02/18 08:37	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	0.92	08/02/18 08:37	
1,1,2-Trichloroethane	ug/L	<0.55	1.8	08/02/18 08:37	
1,1-Dichloroethane	ug/L	<0.27	0.91	08/02/18 08:37	
1,1-Dichloroethene	ug/L	<0.24	0.82	08/02/18 08:37	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/02/18 08:37	
1,2,3-Trichlorobenzene	ug/L	<0.63	2.1	08/02/18 08:37	
1,2,3-Trichloropropane	ug/L	<0.59	2.0	08/02/18 08:37	
1,2,4-Trichlorobenzene	ug/L	<0.95	3.2	08/02/18 08:37	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/02/18 08:37	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/02/18 08:37	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/02/18 08:37	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/02/18 08:37	
1,2-Dichloroethane	ug/L	<0.28	0.93	08/02/18 08:37	
1,2-Dichloropropane	ug/L	<0.28	0.94	08/02/18 08:37	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/02/18 08:37	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/02/18 08:37	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/02/18 08:37	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/02/18 08:37	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/02/18 08:37	
2-Chlorotoluene	ug/L	<0.93	3.1	08/02/18 08:37	
4-Chlorotoluene	ug/L	<0.76	2.5	08/02/18 08:37	
Benzene	ug/L	<0.25	0.82	08/02/18 08:37	
Bromobenzene	ug/L	<0.24	0.80	08/02/18 08:37	
Bromochloromethane	ug/L	<0.36	1.2	08/02/18 08:37	
Bromodichloromethane	ug/L	<0.36	1.2	08/02/18 08:37	
Bromoform	ug/L	<4.0	13.2	08/02/18 08:37	
Bromomethane	ug/L	<0.97	3.2	08/02/18 08:37	
Carbon tetrachloride	ug/L	<0.17	0.55	08/02/18 08:37	
Chlorobenzene	ug/L	<0.71	2.4	08/02/18 08:37	
Chloroethane	ug/L	<1.3	4.5	08/02/18 08:37	
Chloroform	ug/L	<1.3	4.2	08/02/18 08:37	
Chloromethane	ug/L	<2.2	7.3	08/02/18 08:37	
cis-1,2-Dichloroethene	ug/L	<0.27	0.90	08/02/18 08:37	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/02/18 08:37	
Dibromochloromethane	ug/L	<2.6	8.7	08/02/18 08:37	
Dibromomethane	ug/L	<0.94	3.1	08/02/18 08:37	
Dichlorodifluoromethane	ug/L	<0.50	1.7	08/02/18 08:37	
Diisopropyl ether	ug/L	<1.9	6.3	08/02/18 08:37	
Ethylbenzene	ug/L	<0.22	0.73	08/02/18 08:37	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

METHOD BLANK: 1730312 Matrix: Water
Associated Lab Samples: 40173368003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	3.9	08/02/18 08:37	
Isopropylbenzene (Cumene)	ug/L	<0.39	1.3	08/02/18 08:37	
m&p-Xylene	ug/L	<0.47	1.6	08/02/18 08:37	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/02/18 08:37	
Methylene Chloride	ug/L	<0.58	1.9	08/02/18 08:37	
n-Butylbenzene	ug/L	<0.71	2.4	08/02/18 08:37	
n-Propylbenzene	ug/L	<0.81	2.7	08/02/18 08:37	
Naphthalene	ug/L	<1.2	3.9	08/02/18 08:37	
o-Xylene	ug/L	<0.26	0.87	08/02/18 08:37	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/02/18 08:37	
sec-Butylbenzene	ug/L	<0.85	2.8	08/02/18 08:37	
Styrene	ug/L	<0.47	1.6	08/02/18 08:37	
tert-Butylbenzene	ug/L	<0.30	1.0	08/02/18 08:37	
Tetrachloroethene	ug/L	<0.33	1.1	08/02/18 08:37	
Toluene	ug/L	<0.17	0.57	08/02/18 08:37	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/02/18 08:37	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/02/18 08:37	
Trichloroethene	ug/L	<0.26	0.85	08/02/18 08:37	
Trichlorofluoromethane	ug/L	<0.21	0.72	08/02/18 08:37	
Vinyl chloride	ug/L	<0.17	0.58	08/02/18 08:37	
4-Bromofluorobenzene (S)	%	91	70-130	08/02/18 08:37	
Dibromofluoromethane (S)	%	96	70-130	08/02/18 08:37	
Toluene-d8 (S)	%	99	70-130	08/02/18 08:37	

LABORATORY CONTROL SAMPLE: 1730313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.4	103	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	52.1	104	67-130	
1,1,2-Trichloroethane	ug/L	50	52.5	105	70-130	
1,1-Dichloroethane	ug/L	50	48.7	97	70-134	
1,1-Dichloroethene	ug/L	50	49.6	99	75-132	
1,2,4-Trichlorobenzene	ug/L	50	52.2	104	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.6	101	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	51.1	102	70-130	
1,2-Dichlorobenzene	ug/L	50	51.8	104	70-130	
1,2-Dichloroethane	ug/L	50	52.1	104	73-134	
1,2-Dichloropropane	ug/L	50	51.2	102	79-128	
1,3-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,4-Dichlorobenzene	ug/L	50	51.8	104	70-130	
Benzene	ug/L	50	51.8	104	69-137	
Bromodichloromethane	ug/L	50	51.3	103	70-130	
Bromoform	ug/L	50	47.5	95	64-133	
Bromomethane	ug/L	50	30.7	61	29-123	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

LABORATORY CONTROL SAMPLE: 1730313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	52.1	104	73-142	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	43.2	86	59-133	
Chloroform	ug/L	50	51.6	103	80-129	
Chloromethane	ug/L	50	33.1	66	27-125	
cis-1,2-Dichloroethene	ug/L	50	51.2	102	70-134	
cis-1,3-Dichloropropene	ug/L	50	52.2	104	70-130	
Dibromochloromethane	ug/L	50	51.8	104	70-130	
Dichlorodifluoromethane	ug/L	50	21.6	43	12-127	
Ethylbenzene	ug/L	50	54.7	109	86-127	
Isopropylbenzene (Cumene)	ug/L	50	56.6	113	70-130	
m&p-Xylene	ug/L	100	109	109	70-131	
Methyl-tert-butyl ether	ug/L	50	45.2	90	65-136	
Methylene Chloride	ug/L	50	46.6	93	72-133	
o-Xylene	ug/L	50	55.0	110	70-130	
Styrene	ug/L	50	55.4	111	70-130	
Tetrachloroethene	ug/L	50	51.1	102	70-130	
Toluene	ug/L	50	53.6	107	84-124	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	70-133	
trans-1,3-Dichloropropene	ug/L	50	60.6	121	67-130	
Trichloroethene	ug/L	50	50.8	102	70-130	
Trichlorofluoromethane	ug/L	50	49.4	99	69-147	
Vinyl chloride	ug/L	50	40.6	81	48-134	
4-Bromofluorobenzene (S)	%			97	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1730330 1730331

Parameter	Units	40173375005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	49.9	51.1	100	102	70-136	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	52.6	55.3	105	111	67-133	5	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	53.7	55.3	107	111	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	47.9	49.1	96	98	70-139	3	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	47.7	49.4	95	99	72-137	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	53.5	52.8	107	105	68-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	55.1	58.4	110	117	60-130	6	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.4	53.4	105	107	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	52.6	52.9	105	106	70-130	1	20	
1,2-Dichloroethane	ug/L	1.4	50	50	52.1	51.8	101	101	71-137	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	53.2	54.1	106	108	78-130	2	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	52.5	53.2	105	106	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.5	52.7	103	105	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1730330 1730331

Parameter	Units	40173375005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	51.2	51.2	102	102	66-143	0	20	
Bromodichloromethane	ug/L	<0.36	50	50	50.9	52.5	102	105	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	48.2	49.2	96	98	64-134	2	20	
Bromomethane	ug/L	<0.97	50	50	32.4	33.1	65	66	29-136	2	25	
Carbon tetrachloride	ug/L	<0.17	50	50	50.8	53.0	102	106	73-142	4	20	
Chlorobenzene	ug/L	<0.71	50	50	52.9	53.9	106	108	70-130	2	20	
Chloroethane	ug/L	<1.3	50	50	42.2	45.2	84	90	58-138	7	20	
Chloroform	ug/L	<1.3	50	50	49.5	51.5	99	103	80-131	4	20	
Chloromethane	ug/L	<2.2	50	50	32.6	32.9	65	66	24-125	1	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	50.4	50.5	101	101	68-137	0	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	52.0	53.9	104	108	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	51.9	52.3	104	105	70-131	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	20.9	21.2	42	42	10-127	1	20	
Ethylbenzene	ug/L	<0.22	50	50	55.7	55.9	111	112	81-136	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	57.4	57.7	115	115	70-132	0	20	
m&p-Xylene	ug/L	<0.47	100	100	111	111	111	111	70-135	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	44.9	45.9	90	92	58-142	2	23	
Methylene Chloride	ug/L	<0.58	50	50	47.3	47.5	95	95	69-137	0	20	
o-Xylene	ug/L	<0.26	50	50	55.0	55.7	110	111	70-132	1	20	
Styrene	ug/L	<0.47	50	50	56.0	56.1	112	112	70-130	0	20	
Tetrachloroethene	ug/L	<0.33	50	50	51.9	52.6	104	105	70-132	1	20	
Toluene	ug/L	<0.17	50	50	53.7	54.0	107	108	81-130	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	48.5	49.1	97	98	70-136	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	60.7	61.1	121	122	67-130	1	20	
Trichloroethene	ug/L	<0.26	50	50	52.3	52.6	105	105	70-131	1	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	49.8	50.2	100	100	66-150	1	20	
Vinyl chloride	ug/L	<0.17	50	50	40.1	41.9	80	84	46-134	4	20	
4-Bromofluorobenzene (S)	%						100	99	70-130			HS
Dibromofluoromethane (S)	%						92	96	70-130			
Toluene-d8 (S)	%						101	100	70-130			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

QC Batch: 296164
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by HVI
Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40173368001, 40173368002

METHOD BLANK: 1730314
Matrix: Water
Associated Lab Samples: 40173368001, 40173368002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	08/03/18 08:31	
2-Methylnaphthalene	ug/L	<0.0049	0.024	08/03/18 08:31	
Acenaphthene	ug/L	<0.0061	0.030	08/03/18 08:31	
Acenaphthylene	ug/L	<0.0050	0.025	08/03/18 08:31	
Anthracene	ug/L	<0.010	0.052	08/03/18 08:31	
Benzo(a)anthracene	ug/L	<0.0076	0.038	08/03/18 08:31	
Benzo(a)pyrene	ug/L	<0.011	0.053	08/03/18 08:31	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	08/03/18 08:31	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	08/03/18 08:31	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	08/03/18 08:31	
Chrysene	ug/L	<0.013	0.065	08/03/18 08:31	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	08/03/18 08:31	
Fluoranthene	ug/L	<0.011	0.053	08/03/18 08:31	
Fluorene	ug/L	<0.0080	0.040	08/03/18 08:31	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	08/03/18 08:31	
Naphthalene	ug/L	<0.018	0.092	08/03/18 08:31	
Phenanthrene	ug/L	<0.014	0.069	08/03/18 08:31	
Pyrene	ug/L	<0.0076	0.038	08/03/18 08:31	
2-Fluorobiphenyl (S)	%	40	29-80	08/03/18 08:31	
Terphenyl-d14 (S)	%	68	10-123	08/03/18 08:31	

LABORATORY CONTROL SAMPLE: 1730315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.1	56	50-91	
2-Methylnaphthalene	ug/L	2	1.1	55	48-89	
Acenaphthene	ug/L	2	1.1	56	48-120	
Acenaphthylene	ug/L	2	1.2	60	44-84	
Anthracene	ug/L	2	1.5	73	57-120	
Benzo(a)anthracene	ug/L	2	1.8	89	33-108	
Benzo(a)pyrene	ug/L	2	1.7	83	55-108	
Benzo(b)fluoranthene	ug/L	2	1.6	80	47-106	
Benzo(g,h,i)perylene	ug/L	2	1.3	65	20-75	
Benzo(k)fluoranthene	ug/L	2	1.5	73	50-116	
Chrysene	ug/L	2	1.8	88	64-140	
Dibenz(a,h)anthracene	ug/L	2	1.4	69	14-70	
Fluoranthene	ug/L	2	1.8	90	61-112	
Fluorene	ug/L	2	1.3	67	53-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	86	43-105	
Naphthalene	ug/L	2	0.98	49	38-90	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

LABORATORY CONTROL SAMPLE: 1730315

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	1.5	77	47-105	
Pyrene	ug/L	2	1.7	84	62-119	
2-Fluorobiphenyl (S)	%			50	29-80	
Terphenyl-d14 (S)	%			76	10-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1730316 1730317

Parameter	Units	50202256001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	<0.0058	2	1.9	1.8	1.2	90	65	41-93	36	24	R1
2-Methylnaphthalene	ug/L	<0.0049	2	1.9	1.8	1.2	90	65	45-120	36	28	R1
Acenaphthene	ug/L	<0.0060	2	1.9	1.8	1.2	90	62	38-120	41	23	R1
Acenaphthylene	ug/L	<0.0049	2	1.9	1.9	1.2	94	65	33-84	40	25	M1,R1
Anthracene	ug/L	<0.010	2	1.9	2.2	1.4	109	72	37-120	45	27	R1
Benzo(a)anthracene	ug/L	<0.0075	2	1.9	2.6	1.6	129	83	10-108	47	31	M1,R1
Benzo(a)pyrene	ug/L	<0.010	2	1.9	2.4	1.4	121	75	10-108	50	29	M1,R1
Benzo(b)fluoranthene	ug/L	<0.0057	2	1.9	2.3	1.4	118	75	10-106	48	27	M1,R1
Benzo(g,h,i)perylene	ug/L	<0.0067	2	1.9	1.6	0.77	79	40	10-120	68	33	R1
Benzo(k)fluoranthene	ug/L	<0.0075	2	1.9	2.1	1.2	105	62	10-116	55	28	R1
Chrysene	ug/L	<0.013	2	1.9	2.5	1.6	128	83	19-140	47	30	R1
Dibenz(a,h)anthracene	ug/L	<0.0099	2	1.9	1.7	0.80	85	42	10-120	70	40	R1
Fluoranthene	ug/L	<0.011	2	1.9	2.6	1.7	132	88	38-112	44	28	M1,R1
Fluorene	ug/L	<0.0079	2	1.9	2.1	1.4	105	71	42-120	42	25	R1
Indeno(1,2,3-cd)pyrene	ug/L	<0.017	2	1.9	2.4	1.3	119	68	10-105	57	30	M1,R1
Naphthalene	ug/L	<0.018	2	1.9	1.6	1.1	80	58	38-120	35	26	R1
Phenanthrene	ug/L	<0.014	2	1.9	2.3	1.5	115	77	39-105	43	24	M1,R1
Pyrene	ug/L	<0.0076	2	1.9	2.4	1.6	123	83	38-119	43	32	M1,R1
2-Fluorobiphenyl (S)	%						80	55	29-80			
Terphenyl-d14 (S)	%						111	73	10-123			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173368

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40173368001	**MW-3**	EPA 3510	296164	EPA 8270 by HVI	296245
40173368002	**MW-4**	EPA 3510	296164	EPA 8270 by HVI	296245
40173368003	**MW-5**	EPA 8260	296161		

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

40173368

(Please Print Clearly)	
Company Name:	DAI
Branch/Location:	LAKE FOREST
Project Contact:	CHRIS CAILLES
Phone:	8475738900
Project Number:	6255
Project Name:	SUNRISE SENIOR LIVING CENTER
Project State:	WI
Sampled By (Print):	DAN FARLEY
Sampled By (Sign):	
PO #:	Regulatory Program:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
							PNAS / VOCs		
001	MW-3	7/30	1220	GW	-	A	X		
002	MW-4	↓	1340	↓	-	A	X		
003	MW-5	↓	1430	↓	-	B	X		

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Christopher Cailles	7/31/18 1012	Kaitlin Wendel	7/31/18 1012
Kaitlin Wendel	7/31/18 1700	CS Logistics	7/31/18
CS Logistics	8/1/18 1040		8/1/18 1040

PACE Project No. 40173368

Receipt Temp = 2.5 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: DAI

Sample Preservation Receipt Form

Project # 40173368

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN						
001					2																											2.5 / 5 / 10
002					2																											2.5 / 5 / 10
003																		3														2.5 / 5 / 10
004																																2.5 / 5 / 10
005																																2.5 / 5 / 10
006																																2.5 / 5 / 10
007																																2.5 / 5 / 10
008																																2.5 / 5 / 10
009																																2.5 / 5 / 10
010																																2.5 / 5 / 10
011																																2.5 / 5 / 10
012																																2.5 / 5 / 10
013																																2.5 / 5 / 10
014																																2.5 / 5 / 10
015																																2.5 / 5 / 10
016																																2.5 / 5 / 10
017																																2.5 / 5 / 10
018																																2.5 / 5 / 10
019																																2.5 / 5 / 10
020																																2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes ☒No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40173368

40173368

Client Name: DAP

Courier: [X] CS Logistics [ ] Fed Ex [ ] Speedee [ ] UPS [ ] Waltco [ ] Client [ ] Pace Other:

Tracking #:

Custody Seal on Cooler/Box Present: [X] yes [ ] no Seals intact: [X] yes [ ] no

Custody Seal on Samples Present: [ ] yes [X] no Seals intact: [ ] yes [ ] no

Packing Material: [X] Bubble Wrap [X] Bubble Bags [ ] None [ ] Other

Thermometer Used SR - 75 **Type of Ice:** (Wet) Blue Dry None [X] Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 2.5 /Corr: 2.5

Temp Blank Present: [X] yes [ ] no **Biological Tissue is Frozen:** [ ] yes [ ] no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 8/1/18
Initials: SSM

Chain of Custody Present:	[X] Yes [ ] No [ ] N/A	1.
Chain of Custody Filled Out:	[ ] Yes [X] No [ ] N/A	2. ~~No page # SSM~~ No mailto/invoice into SSM 8/1/18
Chain of Custody Relinquished:	[X] Yes [ ] No [ ] N/A	3.
Sampler Name & Signature on COC:	[X] Yes [ ] No [ ] N/A	4.
Samples Arrived within Hold Time:	[X] Yes [ ] No	5.
- VOA Samples frozen upon receipt	[ ] Yes [ ] No	Date/Time:
Short Hold Time Analysis (<72hr):	[X] Yes ~~[X] No~~ SSM 8/1/18	6.
Rush Turn Around Time Requested:	[ ] Yes [X] No	7.
Sufficient Volume: For Analysis: [X] Yes [ ] No	MS/MSD: [ ] Yes [X] No [ ] N/A	8.
Correct Containers Used:	[X] Yes [ ] No	9.
-Pace Containers Used:	[ ] Yes [ ] No [X] N/A	
-Pace IR Containers Used:	[X] Yes [ ] No [ ] N/A	
Containers Intact:	[X] Yes [ ] No	10.
Filtered volume received for Dissolved tests	[ ] Yes [ ] No [X] N/A	11.
Sample Labels match COC:	[X] Yes [ ] No [ ] N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	[ ] Yes [X] No [ ] N/A	13.
Trip Blank Custody Seals Present	[ ] Yes [ ] No [X] N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments [ ]

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: DA **Date:** 8/1/18

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

August 13, 2018

Chris Cailles
DAI Environmental
Polo Park Business Center
27834 Irma Lee Circle
Lake Forest, IL 60045

RE: Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Dear Chris Cailles:
Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Laurie Woelfel

Laurie Woelfel
laurie.woelfel@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Jenny Rovzar, DAI

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40173567001	GP-112-S (2-4)	Solid	08/02/18 08:30	08/04/18 08:10
40173567002	GP-112-S (6-8)	Solid	08/02/18 08:32	08/04/18 08:10
40173567003	GP-112-E (2-4)	Solid	08/02/18 08:40	08/04/18 08:10
40173567004	GP-112-E (10-12)	Solid	08/02/18 08:45	08/04/18 08:10
40173567005	GP-112-E (12-17)	Solid	08/02/18 08:50	08/04/18 08:10
40173567006	GP-112-W (2-4)	Solid	08/02/18 09:00	08/04/18 08:10
40173567007	GP-112-W (8-10)	Solid	08/02/18 09:05	08/04/18 08:10
40173567008	GP-112-W (10-11)	Solid	08/02/18 09:10	08/04/18 08:10
40173567009	GP-13-S (4-6)	Solid	08/02/18 09:20	08/04/18 08:10
40173567010	GP-13-C (4-6)	Solid	08/02/18 09:30	08/04/18 08:10
40173567011	GP-13-C (6-8)	Solid	08/02/18 09:35	08/04/18 08:10
40173567012	GP-13-N (4-6)	Solid	08/02/18 09:45	08/04/18 08:10
40173567013	GP-405-W (7-9)	Solid	08/02/18 09:55	08/04/18 08:10
40173567014	GP-407-S (2-4)	Solid	08/02/18 10:30	08/04/18 08:10
40173567015	GP-407-S (7-9)	Solid	08/02/18 10:35	08/04/18 08:10
40173567016	P-1R (1-3)	Solid	08/02/18 11:00	08/04/18 08:10
40173567017	P-1R (3-5)	Solid	08/02/18 11:15	08/04/18 08:10
40173567018	P-1R (7-9)	Solid	08/02/18 11:20	08/04/18 08:10
40173567019	R-1R (1-3)	Solid	08/02/18 11:25	08/04/18 08:10
40173567020	R-1R (3-5)	Solid	08/02/18 11:30	08/04/18 08:10
40173567021	R-1R (7-9)	Solid	08/02/18 11:35	08/04/18 08:10
40173567022	GP-405-E (2-4)	Solid	08/02/18 12:00	08/04/18 08:10
40173567023	GP-405-E (7-9)	Solid	08/02/18 12:30	08/04/18 08:10
40173567024	GP-405-N (2-4)	Solid	08/02/18 13:00	08/04/18 08:10
40173567025	GP-405-N (7-9)	Solid	08/02/18 14:00	08/04/18 08:10
40173567026	GP-405-W (2-4)	Solid	08/02/18 09:57	08/04/18 08:10

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40173567001	**GP-112-S (2-4)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567002	**GP-112-S (6-8)**	EPA 8260	LAP	64
		ASTM D2974-87	SKW	1
40173567003	**GP-112-E (2-4)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567004	**GP-112-E (10-12)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567005	**GP-112-E (12-17)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567006	**GP-112-W (2-4)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567007	**GP-112-W (8-10)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567008	**GP-112-W (10-11)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567009	**GP-13-S (4-6)**	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40173567010	**GP-13-C (4-6)**	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40173567011	**GP-13-C (6-8)**	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40173567012	**GP-13-N (4-6)**	EPA 8270 by SIM	ARO	20
		ASTM D2974-87	SKW	1
40173567013	**GP-405-W (7-9)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567014	**GP-407-S (2-4)**	EPA 8260	SMT	64
		ASTM D2974-87	SKW	1
40173567015	**GP-407-S (7-9)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567016	**P-1R (1-3)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567017	**P-1R (3-5)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567018	**P-1R (7-9)**	EPA 8260	SMT	64
		ASTM D2974-87	SKW	1
40173567019	**R-1R (1-3)**	EPA 8260	MDS	64

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SAMPLE ANALYTE COUNT

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		ASTM D2974-87	SKW	1
40173567020	**R-1R (3-5)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567021	**R-1R (7-9)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567022	**GP-405-E (2-4)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567023	**GP-405-E (7-9)**	EPA 8260	MDS	64
		ASTM D2974-87	SKW	1
40173567024	**GP-405-N (2-4)**	EPA 8260	MDS	64
		ASTM D2974-87	JXS	1
40173567025	**GP-405-N (7-9)**	EPA 8260	MDS	64
		ASTM D2974-87	JXS	1
40173567026	**GP-405-W (2-4)**	EPA 8260	MDS	64
		ASTM D2974-87	JXS	1

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-S (2-4) **Lab ID: 40173567001** Collected: 08/02/18 08:30 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	630-20-6	W
1,1,1-Trichloroethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	71-55-6	W
1,1,2,2-Tetrachloroethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	79-34-5	W
1,1,2-Trichloroethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	79-00-5	W
1,1-Dichloroethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	75-34-3	W
1,1-Dichloroethene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	75-35-4	W
1,1-Dichloropropene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	563-58-6	W
1,2,3-Trichlorobenzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	87-61-6	W
1,2,3-Trichloropropane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	96-18-4	W
1,2,4-Trichlorobenzene	**<96.1**	ug/kg	505	96.1	2	08/08/18 10:30	08/09/18 01:47	120-82-1	W
1,2,4-Trimethylbenzene	**388**	ug/kg	153	64.0	2	08/08/18 10:30	08/09/18 01:47	95-63-6	
1,2-Dibromo-3-chloropropane	**<184**	ug/kg	505	184	2	08/08/18 10:30	08/09/18 01:47	96-12-8	W
1,2-Dibromoethane (EDB)	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	106-93-4	W
1,2-Dichlorobenzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	95-50-1	W
1,2-Dichloroethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	107-06-2	W
1,2-Dichloropropane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	78-87-5	L1,W
1,3,5-Trimethylbenzene	**131J**	ug/kg	153	64.0	2	08/08/18 10:30	08/09/18 01:47	108-67-8	
1,3-Dichlorobenzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	541-73-1	W
1,3-Dichloropropane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	142-28-9	W
1,4-Dichlorobenzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	106-46-7	W
2,2-Dichloropropane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	594-20-7	W
2-Chlorotoluene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	95-49-8	W
4-Chlorotoluene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	106-43-4	W
Benzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	71-43-2	W
Bromobenzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	108-86-1	W
Bromochloromethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	74-97-5	W
Bromodichloromethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	75-27-4	W
Bromoform	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	75-25-2	W
Bromomethane	**<141**	ug/kg	505	141	2	08/08/18 10:30	08/09/18 01:47	74-83-9	W
Carbon tetrachloride	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	56-23-5	W
Chlorobenzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	108-90-7	W
Chloroethane	**<135**	ug/kg	505	135	2	08/08/18 10:30	08/09/18 01:47	75-00-3	W
Chloroform	**<93.8**	ug/kg	505	93.8	2	08/08/18 10:30	08/09/18 01:47	67-66-3	W
Chloromethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	74-87-3	W
Dibromochloromethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	124-48-1	W
Dibromomethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	74-95-3	W
Dichlorodifluoromethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	75-71-8	W
Diisopropyl ether	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	108-20-3	W
Ethylbenzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	100-41-4	W
Hexachloro-1,3-butadiene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	87-68-3	W
Isopropylbenzene (Cumene)	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	98-82-8	W
Methyl-tert-butyl ether	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	1634-04-4	W
Methylene Chloride	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	75-09-2	W
Naphthalene	**<80.9**	ug/kg	505	80.9	2	08/08/18 10:30	08/09/18 01:47	91-20-3	W
Styrene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-S (2-4) **Lab ID: 40173567001** Collected: 08/02/18 08:30 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**6160**	ug/kg	153	64.0	2	08/08/18 10:30	08/09/18 01:47	127-18-4	
Toluene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	108-88-3	W
Trichloroethene	**73.8J**	ug/kg	153	64.0	2	08/08/18 10:30	08/09/18 01:47	79-01-6	
Trichlorofluoromethane	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	75-69-4	W
Vinyl chloride	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	75-01-4	W
cis-1,2-Dichloroethene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	156-59-2	W
cis-1,3-Dichloropropene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	10061-01-5	W
m&p-Xylene	**<101**	ug/kg	242	101	2	08/08/18 10:30	08/09/18 01:47	179601-23-1	W
n-Butylbenzene	**99.2J**	ug/kg	153	64.0	2	08/08/18 10:30	08/09/18 01:47	104-51-8	
n-Propylbenzene	**91.0J**	ug/kg	153	64.0	2	08/08/18 10:30	08/09/18 01:47	103-65-1	
o-Xylene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	95-47-6	W
p-Isopropyltoluene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	99-87-6	W
sec-Butylbenzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	135-98-8	W
tert-Butylbenzene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	98-06-6	W
trans-1,2-Dichloroethene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	156-60-5	W
trans-1,3-Dichloropropene	**<50.5**	ug/kg	121	50.5	2	08/08/18 10:30	08/09/18 01:47	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	82	%	57-148		2	08/08/18 10:30	08/09/18 01:47	1868-53-7	
Toluene-d8 (S)	86	%	58-142		2	08/08/18 10:30	08/09/18 01:47	2037-26-5	
4-Bromofluorobenzene (S)	75	%	48-130		2	08/08/18 10:30	08/09/18 01:47	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.0**	%	0.10	0.10	1		08/06/18 15:33		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-S (6-8) **Lab ID: 40173567002** Collected: 08/02/18 08:32 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	630-20-6	W
1,1,1-Trichloroethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	79-34-5	W
1,1,2-Trichloroethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	79-00-5	W
1,1-Dichloroethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	75-34-3	W
1,1-Dichloroethene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	75-35-4	W
1,1-Dichloropropene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	563-58-6	W
1,2,3-Trichlorobenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	87-61-6	W
1,2,3-Trichloropropane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	96-18-4	W
1,2,4-Trichlorobenzene	**<48.0**	ug/kg	253	48.0	1	08/07/18 08:00	08/10/18 15:20	120-82-1	W
1,2,4-Trimethylbenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	95-63-6	W
1,2-Dibromo-3-chloropropane	**<92.2**	ug/kg	253	92.2	1	08/07/18 08:00	08/10/18 15:20	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	106-93-4	W
1,2-Dichlorobenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	95-50-1	W
1,2-Dichloroethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	107-06-2	W
1,2-Dichloropropane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	78-87-5	W
1,3,5-Trimethylbenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	108-67-8	W
1,3-Dichlorobenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	541-73-1	W
1,3-Dichloropropane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	142-28-9	W
1,4-Dichlorobenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	106-46-7	W
2,2-Dichloropropane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	594-20-7	W
2-Chlorotoluene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	95-49-8	W
4-Chlorotoluene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	106-43-4	W
Benzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	71-43-2	W
Bromobenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	108-86-1	W
Bromochloromethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	74-97-5	W
Bromodichloromethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	75-27-4	W
Bromoform	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	75-25-2	W
Bromomethane	**<70.6**	ug/kg	253	70.6	1	08/07/18 08:00	08/10/18 15:20	74-83-9	W
Carbon tetrachloride	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	56-23-5	W
Chlorobenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	108-90-7	W
Chloroethane	**<67.7**	ug/kg	253	67.7	1	08/07/18 08:00	08/10/18 15:20	75-00-3	W
Chloroform	**<46.9**	ug/kg	253	46.9	1	08/07/18 08:00	08/10/18 15:20	67-66-3	W
Chloromethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	74-87-3	W
Dibromochloromethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	124-48-1	W
Dibromomethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	74-95-3	W
Dichlorodifluoromethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	75-71-8	W
Diisopropyl ether	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	108-20-3	W
Ethylbenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	100-41-4	W
Hexachloro-1,3-butadiene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	87-68-3	W
Isopropylbenzene (Cumene)	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	98-82-8	W
Methyl-tert-butyl ether	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	1634-04-4	W
Methylene Chloride	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	75-09-2	W
Naphthalene	**<40.4**	ug/kg	253	40.4	1	08/07/18 08:00	08/10/18 15:20	91-20-3	W
Styrene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-S (6-8) **Lab ID: 40173567002** Collected: 08/02/18 08:32 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	127-18-4	W
Toluene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	108-88-3	W
Trichloroethene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	79-01-6	W
Trichlorofluoromethane	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	75-69-4	W
Vinyl chloride	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	75-01-4	W
cis-1,2-Dichloroethene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	156-59-2	W
cis-1,3-Dichloropropene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	10061-01-5	W
m&p-Xylene	**<50.5**	ug/kg	121	50.5	1	08/07/18 08:00	08/10/18 15:20	179601-23-1	W
n-Butylbenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	104-51-8	W
n-Propylbenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	103-65-1	W
o-Xylene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	95-47-6	W
p-Isopropyltoluene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	99-87-6	W
sec-Butylbenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	135-98-8	W
tert-Butylbenzene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	98-06-6	W
trans-1,2-Dichloroethene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	156-60-5	W
trans-1,3-Dichloropropene	**<25.3**	ug/kg	60.6	25.3	1	08/07/18 08:00	08/10/18 15:20	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	57-148		1	08/07/18 08:00	08/10/18 15:20	1868-53-7	
Toluene-d8 (S)	99	%	58-142		1	08/07/18 08:00	08/10/18 15:20	2037-26-5	
4-Bromofluorobenzene (S)	80	%	48-130		1	08/07/18 08:00	08/10/18 15:20	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.7**	%	0.10	0.10	1		08/06/18 15:33		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-E (2-4) **Lab ID: 40173567003** Collected: 08/02/18 08:40 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	630-20-6	W
1,1,1-Trichloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	71-55-6	W
1,1,2,2-Tetrachloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	79-34-5	W
1,1,2-Trichloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	79-00-5	W
1,1-Dichloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	75-34-3	W
1,1-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	75-35-4	W
1,1-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	563-58-6	W
1,2,3-Trichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	87-61-6	W
1,2,3-Trichloropropane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	96-18-4	W
1,2,4-Trichlorobenzene	**<49.5**	ug/kg	260	49.5	1	08/07/18 08:00	08/08/18 15:05	120-82-1	W
1,2,4-Trimethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	95-63-6	W
1,2-Dibromo-3-chloropropane	**<95.0**	ug/kg	260	95.0	1	08/07/18 08:00	08/08/18 15:05	96-12-8	W
1,2-Dibromoethane (EDB)	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	106-93-4	W
1,2-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	95-50-1	W
1,2-Dichloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	107-06-2	W
1,2-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	78-87-5	W
1,3,5-Trimethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	108-67-8	W
1,3-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	541-73-1	W
1,3-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	142-28-9	W
1,4-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	106-46-7	W
2,2-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	594-20-7	W
2-Chlorotoluene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	95-49-8	W
4-Chlorotoluene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	106-43-4	W
Benzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	71-43-2	W
Bromobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	108-86-1	W
Bromochloromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	74-97-5	W
Bromodichloromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	75-27-4	W
Bromoform	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	75-25-2	W
Bromomethane	**<72.8**	ug/kg	260	72.8	1	08/07/18 08:00	08/08/18 15:05	74-83-9	W
Carbon tetrachloride	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	56-23-5	W
Chlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	108-90-7	W
Chloroethane	**<69.8**	ug/kg	260	69.8	1	08/07/18 08:00	08/08/18 15:05	75-00-3	W
Chloroform	**<48.4**	ug/kg	260	48.4	1	08/07/18 08:00	08/08/18 15:05	67-66-3	W
Chloromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	74-87-3	W
Dibromochloromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	124-48-1	W
Dibromomethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	74-95-3	W
Dichlorodifluoromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	75-71-8	W
Diisopropyl ether	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	108-20-3	W
Ethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	100-41-4	W
Hexachloro-1,3-butadiene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	87-68-3	W
Isopropylbenzene (Cumene)	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	98-82-8	W
Methyl-tert-butyl ether	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	1634-04-4	W
Methylene Chloride	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	75-09-2	W
Naphthalene	**<41.7**	ug/kg	260	41.7	1	08/07/18 08:00	08/08/18 15:05	91-20-3	W
Styrene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-E (2-4) **Lab ID: 40173567003** Collected: 08/02/18 08:40 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**2520**	ug/kg	73.9	30.8	1	08/07/18 08:00	08/08/18 15:05	127-18-4	
Toluene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	108-88-3	W
Trichloroethene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	79-01-6	W
Trichlorofluoromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	75-69-4	W
Vinyl chloride	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	75-01-4	W
cis-1,2-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	156-59-2	W
cis-1,3-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	10061-01-5	W
m&p-Xylene	**<52.1**	ug/kg	125	52.1	1	08/07/18 08:00	08/08/18 15:05	179601-23-1	W
n-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	104-51-8	W
n-Propylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	103-65-1	W
o-Xylene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	95-47-6	W
p-Isopropyltoluene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	99-87-6	W
sec-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	135-98-8	W
tert-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	98-06-6	W
trans-1,2-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	156-60-5	W
trans-1,3-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/08/18 15:05	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	57-148		1	08/07/18 08:00	08/08/18 15:05	1868-53-7	
Toluene-d8 (S)	123	%	58-142		1	08/07/18 08:00	08/08/18 15:05	2037-26-5	
4-Bromofluorobenzene (S)	107	%	48-130		1	08/07/18 08:00	08/08/18 15:05	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.4**	%	0.10	0.10	1		08/06/18 15:33		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-E (10-12) **Lab ID: 40173567004** Collected: 08/02/18 08:45 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/08/18 15:28	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/08/18 15:28	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/08/18 15:28	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/08/18 15:28	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/08/18 15:28	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/08/18 15:28	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-E (10-12) **Lab ID: 40173567004** Collected: 08/02/18 08:45 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/08/18 15:28	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:28	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	57-148		1	08/07/18 08:00	08/08/18 15:28	1868-53-7	
Toluene-d8 (S)	118	%	58-142		1	08/07/18 08:00	08/08/18 15:28	2037-26-5	
4-Bromofluorobenzene (S)	104	%	48-130		1	08/07/18 08:00	08/08/18 15:28	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.8**	%	0.10	0.10	1		08/06/18 15:33		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-E (12-17) **Lab ID: 40173567005** Collected: 08/02/18 08:50 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/08/18 15:51	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/08/18 15:51	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/08/18 15:51	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/08/18 15:51	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/08/18 15:51	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/08/18 15:51	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-E (12-17) **Lab ID: 40173567005** Collected: 08/02/18 08:50 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/08/18 15:51	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 15:51	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	57-148		1	08/07/18 08:00	08/08/18 15:51	1868-53-7	
Toluene-d8 (S)	113	%	58-142		1	08/07/18 08:00	08/08/18 15:51	2037-26-5	
4-Bromofluorobenzene (S)	101	%	48-130		1	08/07/18 08:00	08/08/18 15:51	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.3**	%	0.10	0.10	1		08/06/18 15:33		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-W (2-4) **Lab ID: 40173567006** Collected: 08/02/18 09:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	630-20-6	W
1,1,1-Trichloroethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	71-55-6	W
1,1,2,2-Tetrachloroethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	79-34-5	W
1,1,2-Trichloroethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	79-00-5	W
1,1-Dichloroethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	75-34-3	W
1,1-Dichloroethene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	75-35-4	W
1,1-Dichloropropene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	563-58-6	W
1,2,3-Trichlorobenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	87-61-6	W
1,2,3-Trichloropropane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	96-18-4	W
1,2,4-Trichlorobenzene	**<53.4**	ug/kg	281	53.4	1	08/07/18 08:00	08/08/18 16:15	120-82-1	W
1,2,4-Trimethylbenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	95-63-6	W
1,2-Dibromo-3-chloropropane	**<103**	ug/kg	281	103	1	08/07/18 08:00	08/08/18 16:15	96-12-8	W
1,2-Dibromoethane (EDB)	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	106-93-4	W
1,2-Dichlorobenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	95-50-1	W
1,2-Dichloroethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	107-06-2	W
1,2-Dichloropropane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	78-87-5	W
1,3,5-Trimethylbenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	108-67-8	W
1,3-Dichlorobenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	541-73-1	W
1,3-Dichloropropane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	142-28-9	W
1,4-Dichlorobenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	106-46-7	W
2,2-Dichloropropane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	594-20-7	W
2-Chlorotoluene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	95-49-8	W
4-Chlorotoluene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	106-43-4	W
Benzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	71-43-2	W
Bromobenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	108-86-1	W
Bromochloromethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	74-97-5	W
Bromodichloromethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	75-27-4	W
Bromoform	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	75-25-2	W
Bromomethane	**<78.5**	ug/kg	281	78.5	1	08/07/18 08:00	08/08/18 16:15	74-83-9	W
Carbon tetrachloride	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	56-23-5	W
Chlorobenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	108-90-7	W
Chloroethane	**<75.3**	ug/kg	281	75.3	1	08/07/18 08:00	08/08/18 16:15	75-00-3	W
Chloroform	**<52.2**	ug/kg	281	52.2	1	08/07/18 08:00	08/08/18 16:15	67-66-3	W
Chloromethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	74-87-3	W
Dibromochloromethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	124-48-1	W
Dibromomethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	74-95-3	W
Dichlorodifluoromethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	75-71-8	W
Diisopropyl ether	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	108-20-3	W
Ethylbenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	100-41-4	W
Hexachloro-1,3-butadiene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	87-68-3	W
Isopropylbenzene (Cumene)	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	98-82-8	W
Methyl-tert-butyl ether	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	1634-04-4	W
Methylene Chloride	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	75-09-2	W
Naphthalene	**<45.0**	ug/kg	281	45.0	1	08/07/18 08:00	08/08/18 16:15	91-20-3	W
Styrene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-W (2-4) **Lab ID: 40173567006** Collected: 08/02/18 09:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	127-18-4	W
Toluene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	108-88-3	W
Trichloroethene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	79-01-6	W
Trichlorofluoromethane	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	75-69-4	W
Vinyl chloride	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	75-01-4	W
cis-1,2-Dichloroethene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	156-59-2	W
cis-1,3-Dichloropropene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	10061-01-5	W
m&p-Xylene	**<56.2**	ug/kg	135	56.2	1	08/07/18 08:00	08/08/18 16:15	179601-23-1	W
n-Butylbenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	104-51-8	W
n-Propylbenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	103-65-1	W
o-Xylene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	95-47-6	W
p-Isopropyltoluene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	99-87-6	W
sec-Butylbenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	135-98-8	W
tert-Butylbenzene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	98-06-6	W
trans-1,2-Dichloroethene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	156-60-5	W
trans-1,3-Dichloropropene	**<28.1**	ug/kg	67.4	28.1	1	08/07/18 08:00	08/08/18 16:15	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	57-148		1	08/07/18 08:00	08/08/18 16:15	1868-53-7	
Toluene-d8 (S)	120	%	58-142		1	08/07/18 08:00	08/08/18 16:15	2037-26-5	
4-Bromofluorobenzene (S)	107	%	48-130		1	08/07/18 08:00	08/08/18 16:15	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.5**	%	0.10	0.10	1		08/06/18 15:56		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-W (8-10) **Lab ID: 40173567007** Collected: 08/02/18 09:05 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	630-20-6	W
1,1,1-Trichloroethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	71-55-6	W
1,1,2,2-Tetrachloroethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	79-34-5	W
1,1,2-Trichloroethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	79-00-5	W
1,1-Dichloroethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	75-34-3	W
1,1-Dichloroethene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	75-35-4	W
1,1-Dichloropropene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	563-58-6	W
1,2,3-Trichlorobenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	87-61-6	W
1,2,3-Trichloropropane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	96-18-4	W
1,2,4-Trichlorobenzene	**<62.6**	ug/kg	329	62.6	1	08/07/18 08:00	08/08/18 16:38	120-82-1	W
1,2,4-Trimethylbenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	95-63-6	W
1,2-Dibromo-3-chloropropane	**<120**	ug/kg	329	120	1	08/07/18 08:00	08/08/18 16:38	96-12-8	W
1,2-Dibromoethane (EDB)	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	106-93-4	W
1,2-Dichlorobenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	95-50-1	W
1,2-Dichloroethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	107-06-2	W
1,2-Dichloropropane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	78-87-5	W
1,3,5-Trimethylbenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	108-67-8	W
1,3-Dichlorobenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	541-73-1	W
1,3-Dichloropropane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	142-28-9	W
1,4-Dichlorobenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	106-46-7	W
2,2-Dichloropropane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	594-20-7	W
2-Chlorotoluene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	95-49-8	W
4-Chlorotoluene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	106-43-4	W
Benzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	71-43-2	W
Bromobenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	108-86-1	W
Bromochloromethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	74-97-5	W
Bromodichloromethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	75-27-4	W
Bromoform	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	75-25-2	W
Bromomethane	**<92.0**	ug/kg	329	92.0	1	08/07/18 08:00	08/08/18 16:38	74-83-9	W
Carbon tetrachloride	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	56-23-5	W
Chlorobenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	108-90-7	W
Chloroethane	**<88.2**	ug/kg	329	88.2	1	08/07/18 08:00	08/08/18 16:38	75-00-3	W
Chloroform	**<61.1**	ug/kg	329	61.1	1	08/07/18 08:00	08/08/18 16:38	67-66-3	W
Chloromethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	74-87-3	W
Dibromochloromethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	124-48-1	W
Dibromomethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	74-95-3	W
Dichlorodifluoromethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	75-71-8	W
Diisopropyl ether	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	108-20-3	W
Ethylbenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	100-41-4	W
Hexachloro-1,3-butadiene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	87-68-3	W
Isopropylbenzene (Cumene)	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	98-82-8	W
Methyl-tert-butyl ether	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	1634-04-4	W
Methylene Chloride	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	75-09-2	W
Naphthalene	**<52.7**	ug/kg	329	52.7	1	08/07/18 08:00	08/08/18 16:38	91-20-3	W
Styrene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-W (8-10) **Lab ID: 40173567007** Collected: 08/02/18 09:05 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	127-18-4	W
Toluene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	108-88-3	W
Trichloroethene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	79-01-6	W
Trichlorofluoromethane	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	75-69-4	W
Vinyl chloride	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	75-01-4	W
cis-1,2-Dichloroethene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	156-59-2	W
cis-1,3-Dichloropropene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	10061-01-5	W
m&p-Xylene	**<65.8**	ug/kg	158	65.8	1	08/07/18 08:00	08/08/18 16:38	179601-23-1	W
n-Butylbenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	104-51-8	W
n-Propylbenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	103-65-1	W
o-Xylene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	95-47-6	W
p-Isopropyltoluene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	99-87-6	W
sec-Butylbenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	135-98-8	W
tert-Butylbenzene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	98-06-6	W
trans-1,2-Dichloroethene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	156-60-5	W
trans-1,3-Dichloropropene	**<32.9**	ug/kg	78.9	32.9	1	08/07/18 08:00	08/08/18 16:38	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	145	%	57-148		1	08/07/18 08:00	08/08/18 16:38	1868-53-7	
Toluene-d8 (S)	148	%	58-142		1	08/07/18 08:00	08/08/18 16:38	2037-26-5	S3
4-Bromofluorobenzene (S)	131	%	48-130		1	08/07/18 08:00	08/08/18 16:38	460-00-4	S3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.3**	%	0.10	0.10	1		08/06/18 15:56		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-W (10-11) **Lab ID: 40173567008** Collected: 08/02/18 09:10 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/08/18 17:01	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/08/18 17:01	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/08/18 17:01	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/08/18 17:01	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/08/18 17:01	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/08/18 17:01	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-112-W (10-11) **Lab ID: 40173567008** Collected: 08/02/18 09:10 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/08/18 17:01	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:01	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	57-148		1	08/07/18 08:00	08/08/18 17:01	1868-53-7	
Toluene-d8 (S)	104	%	58-142		1	08/07/18 08:00	08/08/18 17:01	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-130		1	08/07/18 08:00	08/08/18 17:01	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.0**	%	0.10	0.10	1		08/06/18 15:56		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-13-S (4-6) **Lab ID: 40173567009** Collected: 08/02/18 09:20 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.4**	ug/kg	14.5	4.4	1	08/08/18 09:24	08/08/18 20:40	83-32-9	
Acenaphthylene	**<3.7**	ug/kg	12.4	3.7	1	08/08/18 09:24	08/08/18 20:40	208-96-8	
Anthracene	**<6.4**	ug/kg	21.4	6.4	1	08/08/18 09:24	08/08/18 20:40	120-12-7	
Benzo(a)anthracene	**<3.6**	ug/kg	12.0	3.6	1	08/08/18 09:24	08/08/18 20:40	56-55-3	
Benzo(a)pyrene	**<2.8**	ug/kg	9.4	2.8	1	08/08/18 09:24	08/08/18 20:40	50-32-8	
Benzo(b)fluoranthene	**<3.2**	ug/kg	10.6	3.2	1	08/08/18 09:24	08/08/18 20:40	205-99-2	
Benzo(g,h,i)perylene	**<2.3**	ug/kg	7.6	2.3	1	08/08/18 09:24	08/08/18 20:40	191-24-2	
Benzo(k)fluoranthene	**<2.8**	ug/kg	9.4	2.8	1	08/08/18 09:24	08/08/18 20:40	207-08-9	
Chrysene	**<3.8**	ug/kg	12.6	3.8	1	08/08/18 09:24	08/08/18 20:40	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	8.4	2.5	1	08/08/18 09:24	08/08/18 20:40	53-70-3	
Fluoranthene	**<5.9**	ug/kg	19.6	5.9	1	08/08/18 09:24	08/08/18 20:40	206-44-0	
Fluorene	**<4.7**	ug/kg	15.6	4.7	1	08/08/18 09:24	08/08/18 20:40	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.5**	ug/kg	8.3	2.5	1	08/08/18 09:24	08/08/18 20:40	193-39-5	
1-Methylnaphthalene	**<4.5**	ug/kg	15.1	4.5	1	08/08/18 09:24	08/08/18 20:40	90-12-0	
2-Methylnaphthalene	**<5.6**	ug/kg	18.8	5.6	1	08/08/18 09:24	08/08/18 20:40	91-57-6	
Naphthalene	**<9.5**	ug/kg	31.7	9.5	1	08/08/18 09:24	08/08/18 20:40	91-20-3	
Phenanthrene	**<13.1**	ug/kg	43.7	13.1	1	08/08/18 09:24	08/08/18 20:40	85-01-8	
Pyrene	**<5.1**	ug/kg	16.9	5.1	1	08/08/18 09:24	08/08/18 20:40	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	10-115		1	08/08/18 09:24	08/08/18 20:40	321-60-8	
Terphenyl-d14 (S)	79	%	10-121		1	08/08/18 09:24	08/08/18 20:40	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.3**	%	0.10	0.10	1		08/06/18 15:56		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-13-C (4-6) **Lab ID: 40173567010** Collected: 08/02/18 09:30 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**436**	ug/kg	76.8	23.1	5	08/08/18 09:24	08/09/18 14:01	83-32-9	
Acenaphthylene	**98.7**	ug/kg	65.5	19.6	5	08/08/18 09:24	08/09/18 14:01	208-96-8	
Anthracene	**184**	ug/kg	113	34.0	5	08/08/18 09:24	08/09/18 14:01	120-12-7	
Benzo(a)anthracene	**<18.9**	ug/kg	63.1	18.9	5	08/08/18 09:24	08/09/18 14:01	56-55-3	
Benzo(a)pyrene	**<15.0**	ug/kg	49.9	15.0	5	08/08/18 09:24	08/09/18 14:01	50-32-8	
Benzo(b)fluoranthene	**<16.8**	ug/kg	56.0	16.8	5	08/08/18 09:24	08/09/18 14:01	205-99-2	
Benzo(g,h,i)perylene	**<12.1**	ug/kg	40.3	12.1	5	08/08/18 09:24	08/09/18 14:01	191-24-2	
Benzo(k)fluoranthene	**<14.9**	ug/kg	49.8	14.9	5	08/08/18 09:24	08/09/18 14:01	207-08-9	
Chrysene	**20.8J**	ug/kg	66.7	20.1	5	08/08/18 09:24	08/09/18 14:01	218-01-9	
Dibenz(a,h)anthracene	**<13.3**	ug/kg	44.4	13.3	5	08/08/18 09:24	08/09/18 14:01	53-70-3	
Fluoranthene	**37.8J**	ug/kg	104	31.0	5	08/08/18 09:24	08/09/18 14:01	206-44-0	
Fluorene	**410**	ug/kg	82.2	24.7	5	08/08/18 09:24	08/09/18 14:01	86-73-7	
Indeno(1,2,3-cd)pyrene	**<13.1**	ug/kg	43.7	13.1	5	08/08/18 09:24	08/09/18 14:01	193-39-5	
1-Methylnaphthalene	**1150**	ug/kg	79.8	24.0	5	08/08/18 09:24	08/09/18 14:01	90-12-0	
2-Methylnaphthalene	**189**	ug/kg	99.5	29.8	5	08/08/18 09:24	08/09/18 14:01	91-57-6	
Naphthalene	**140J**	ug/kg	167	50.2	5	08/08/18 09:24	08/09/18 14:01	91-20-3	
Phenanthrene	**1060**	ug/kg	231	69.4	5	08/08/18 09:24	08/09/18 14:01	85-01-8	
Pyrene	**116**	ug/kg	89.3	26.9	5	08/08/18 09:24	08/09/18 14:01	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	10-115		5	08/08/18 09:24	08/09/18 14:01	321-60-8	
Terphenyl-d14 (S)	64	%	10-121		5	08/08/18 09:24	08/09/18 14:01	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**16.1**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-13-C (6-8) **Lab ID: 40173567011** Collected: 08/02/18 09:35 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.4**	ug/kg	14.5	4.4	1	08/08/18 09:24	08/08/18 21:15	83-32-9	
Acenaphthylene	**<3.7**	ug/kg	12.4	3.7	1	08/08/18 09:24	08/08/18 21:15	208-96-8	
Anthracene	**<6.4**	ug/kg	21.4	6.4	1	08/08/18 09:24	08/08/18 21:15	120-12-7	
Benzo(a)anthracene	**<3.6**	ug/kg	11.9	3.6	1	08/08/18 09:24	08/08/18 21:15	56-55-3	
Benzo(a)pyrene	**<2.8**	ug/kg	9.4	2.8	1	08/08/18 09:24	08/08/18 21:15	50-32-8	
Benzo(b)fluoranthene	**<3.2**	ug/kg	10.6	3.2	1	08/08/18 09:24	08/08/18 21:15	205-99-2	
Benzo(g,h,i)perylene	**<2.3**	ug/kg	7.6	2.3	1	08/08/18 09:24	08/08/18 21:15	191-24-2	
Benzo(k)fluoranthene	**<2.8**	ug/kg	9.4	2.8	1	08/08/18 09:24	08/08/18 21:15	207-08-9	
Chrysene	**5.1J**	ug/kg	12.6	3.8	1	08/08/18 09:24	08/08/18 21:15	218-01-9	
Dibenz(a,h)anthracene	**<2.5**	ug/kg	8.4	2.5	1	08/08/18 09:24	08/08/18 21:15	53-70-3	
Fluoranthene	**6.1J**	ug/kg	19.6	5.9	1	08/08/18 09:24	08/08/18 21:15	206-44-0	
Fluorene	**<4.7**	ug/kg	15.5	4.7	1	08/08/18 09:24	08/08/18 21:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.5**	ug/kg	8.2	2.5	1	08/08/18 09:24	08/08/18 21:15	193-39-5	
1-Methylnaphthalene	**<4.5**	ug/kg	15.1	4.5	1	08/08/18 09:24	08/08/18 21:15	90-12-0	
2-Methylnaphthalene	**<5.6**	ug/kg	18.8	5.6	1	08/08/18 09:24	08/08/18 21:15	91-57-6	
Naphthalene	**<9.5**	ug/kg	31.6	9.5	1	08/08/18 09:24	08/08/18 21:15	91-20-3	
Phenanthrene	**<13.1**	ug/kg	43.6	13.1	1	08/08/18 09:24	08/08/18 21:15	85-01-8	
Pyrene	**5.6J**	ug/kg	16.9	5.1	1	08/08/18 09:24	08/08/18 21:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	10-115		1	08/08/18 09:24	08/08/18 21:15	321-60-8	
Terphenyl-d14 (S)	82	%	10-121		1	08/08/18 09:24	08/08/18 21:15	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.1**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-13-N (4-6) **Lab ID: 40173567012** Collected: 08/02/18 09:45 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	**<4.4**	ug/kg	14.8	4.4	1	08/08/18 09:24	08/08/18 21:32	83-32-9	
Acenaphthylene	**<3.8**	ug/kg	12.6	3.8	1	08/08/18 09:24	08/08/18 21:32	208-96-8	
Anthracene	**<6.5**	ug/kg	21.8	6.5	1	08/08/18 09:24	08/08/18 21:32	120-12-7	
Benzo(a)anthracene	**<3.6**	ug/kg	12.1	3.6	1	08/08/18 09:24	08/08/18 21:32	56-55-3	
Benzo(a)pyrene	**<2.9**	ug/kg	9.6	2.9	1	08/08/18 09:24	08/08/18 21:32	50-32-8	
Benzo(b)fluoranthene	**<3.2**	ug/kg	10.8	3.2	1	08/08/18 09:24	08/08/18 21:32	205-99-2	
Benzo(g,h,i)perylene	**<2.3**	ug/kg	7.8	2.3	1	08/08/18 09:24	08/08/18 21:32	191-24-2	
Benzo(k)fluoranthene	**<2.9**	ug/kg	9.6	2.9	1	08/08/18 09:24	08/08/18 21:32	207-08-9	
Chrysene	**<3.9**	ug/kg	12.8	3.9	1	08/08/18 09:24	08/08/18 21:32	218-01-9	
Dibenz(a,h)anthracene	**<2.6**	ug/kg	8.5	2.6	1	08/08/18 09:24	08/08/18 21:32	53-70-3	
Fluoranthene	**<6.0**	ug/kg	19.9	6.0	1	08/08/18 09:24	08/08/18 21:32	206-44-0	
Fluorene	**<4.7**	ug/kg	15.8	4.7	1	08/08/18 09:24	08/08/18 21:32	86-73-7	
Indeno(1,2,3-cd)pyrene	**<2.5**	ug/kg	8.4	2.5	1	08/08/18 09:24	08/08/18 21:32	193-39-5	
1-Methylnaphthalene	**7.3J**	ug/kg	15.4	4.6	1	08/08/18 09:24	08/08/18 21:32	90-12-0	
2-Methylnaphthalene	**<5.7**	ug/kg	19.1	5.7	1	08/08/18 09:24	08/08/18 21:32	91-57-6	
Naphthalene	**<9.6**	ug/kg	32.2	9.6	1	08/08/18 09:24	08/08/18 21:32	91-20-3	
Phenanthrene	**<13.3**	ug/kg	44.5	13.3	1	08/08/18 09:24	08/08/18 21:32	85-01-8	
Pyrene	**<5.2**	ug/kg	17.2	5.2	1	08/08/18 09:24	08/08/18 21:32	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	10-115		1	08/08/18 09:24	08/08/18 21:32	321-60-8	
Terphenyl-d14 (S)	72	%	10-121		1	08/08/18 09:24	08/08/18 21:32	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.7**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-W (7-9) **Lab ID: 40173567013** Collected: 08/02/18 09:55 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/08/18 17:24	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/08/18 17:24	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/08/18 17:24	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/08/18 17:24	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/08/18 17:24	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/08/18 17:24	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-W (7-9) **Lab ID: 40173567013** Collected: 08/02/18 09:55 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/08/18 17:24	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:24	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	57-148		1	08/07/18 08:00	08/08/18 17:24	1868-53-7	
Toluene-d8 (S)	115	%	58-142		1	08/07/18 08:00	08/08/18 17:24	2037-26-5	
4-Bromofluorobenzene (S)	104	%	48-130		1	08/07/18 08:00	08/08/18 17:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-407-S (2-4) **Lab ID: 40173567014** Collected: 08/02/18 10:30 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/08/18 17:47	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/08/18 17:47	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/08/18 17:47	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/08/18 17:47	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/08/18 17:47	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/08/18 17:47	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-407-S (2-4) **Lab ID: 40173567014** Collected: 08/02/18 10:30 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/08/18 17:47	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/08/18 17:47	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	57-148		1	08/07/18 08:00	08/08/18 17:47	1868-53-7	
Toluene-d8 (S)	117	%	58-142		1	08/07/18 08:00	08/08/18 17:47	2037-26-5	
4-Bromofluorobenzene (S)	104	%	48-130		1	08/07/18 08:00	08/08/18 17:47	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-407-S (7-9) **Lab ID: 40173567015** Collected: 08/02/18 10:35 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/09/18 12:03	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/09/18 12:03	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/09/18 12:03	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/09/18 12:03	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/09/18 12:03	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/09/18 12:03	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-407-S (7-9) **Lab ID: 40173567015** Collected: 08/02/18 10:35 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/09/18 12:03	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:03	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-148		1	08/07/18 08:00	08/09/18 12:03	1868-53-7	
Toluene-d8 (S)	103	%	58-142		1	08/07/18 08:00	08/09/18 12:03	2037-26-5	
4-Bromofluorobenzene (S)	87	%	48-130		1	08/07/18 08:00	08/09/18 12:03	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.3**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: P-1R (1-3) **Lab ID: 40173567016** Collected: 08/02/18 11:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	630-20-6	W
1,1,1-Trichloroethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	71-55-6	W
1,1,2,2-Tetrachloroethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	79-34-5	W
1,1,2-Trichloroethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	79-00-5	W
1,1-Dichloroethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	75-34-3	W
1,1-Dichloroethene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	75-35-4	W
1,1-Dichloropropene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	563-58-6	W
1,2,3-Trichlorobenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	87-61-6	W
1,2,3-Trichloropropane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	96-18-4	W
1,2,4-Trichlorobenzene	**<951**	ug/kg	5000	951	20	08/07/18 08:00	08/09/18 15:09	120-82-1	W
1,2,4-Trimethylbenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	95-63-6	W
1,2-Dibromo-3-chloropropane	**<1820**	ug/kg	5000	1820	20	08/07/18 08:00	08/09/18 15:09	96-12-8	W
1,2-Dibromoethane (EDB)	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	106-93-4	W
1,2-Dichlorobenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	95-50-1	W
1,2-Dichloroethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	107-06-2	W
1,2-Dichloropropane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	78-87-5	W
1,3,5-Trimethylbenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	108-67-8	W
1,3-Dichlorobenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	541-73-1	W
1,3-Dichloropropane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	142-28-9	W
1,4-Dichlorobenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	106-46-7	W
2,2-Dichloropropane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	594-20-7	W
2-Chlorotoluene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	95-49-8	W
4-Chlorotoluene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	106-43-4	W
Benzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	71-43-2	W
Bromobenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	108-86-1	W
Bromochloromethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	74-97-5	W
Bromodichloromethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	75-27-4	W
Bromoform	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	75-25-2	W
Bromomethane	**<1400**	ug/kg	5000	1400	20	08/07/18 08:00	08/09/18 15:09	74-83-9	W
Carbon tetrachloride	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	56-23-5	W
Chlorobenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	108-90-7	W
Chloroethane	**<1340**	ug/kg	5000	1340	20	08/07/18 08:00	08/09/18 15:09	75-00-3	W
Chloroform	**<929**	ug/kg	5000	929	20	08/07/18 08:00	08/09/18 15:09	67-66-3	W
Chloromethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	74-87-3	W
Dibromochloromethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	124-48-1	W
Dibromomethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	74-95-3	W
Dichlorodifluoromethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	75-71-8	W
Diisopropyl ether	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	108-20-3	W
Ethylbenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	100-41-4	W
Hexachloro-1,3-butadiene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	87-68-3	W
Isopropylbenzene (Cumene)	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	98-82-8	W
Methyl-tert-butyl ether	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	1634-04-4	W
Methylene Chloride	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	75-09-2	W
Naphthalene	**<801**	ug/kg	5000	801	20	08/07/18 08:00	08/09/18 15:09	91-20-3	W
Styrene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: P-1R (1-3) **Lab ID: 40173567016** Collected: 08/02/18 11:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**100000**	ug/kg	1330	555	20	08/07/18 08:00	08/09/18 15:09	127-18-4	
Toluene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	108-88-3	W
Trichloroethene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	79-01-6	W
Trichlorofluoromethane	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	75-69-4	W
Vinyl chloride	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	75-01-4	W
cis-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	156-59-2	W
cis-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	10061-01-5	W
m&p-Xylene	**<1000**	ug/kg	2400	1000	20	08/07/18 08:00	08/09/18 15:09	179601-23-1	W
n-Butylbenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	104-51-8	W
n-Propylbenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	103-65-1	W
o-Xylene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	95-47-6	W
p-Isopropyltoluene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	99-87-6	W
sec-Butylbenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	135-98-8	W
tert-Butylbenzene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	98-06-6	W
trans-1,2-Dichloroethene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	156-60-5	W
trans-1,3-Dichloropropene	**<500**	ug/kg	1200	500	20	08/07/18 08:00	08/09/18 15:09	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-148		20	08/07/18 08:00	08/09/18 15:09	1868-53-7	S4
Toluene-d8 (S)	0	%	58-142		20	08/07/18 08:00	08/09/18 15:09	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-130		20	08/07/18 08:00	08/09/18 15:09	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.9**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: P-1R (3-5) **Lab ID: 40173567017** Collected: 08/02/18 11:15 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	630-20-6	W
1,1,1-Trichloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	71-55-6	W
1,1,2,2-Tetrachloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	79-34-5	W
1,1,2-Trichloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	79-00-5	W
1,1-Dichloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	75-34-3	W
1,1-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	75-35-4	W
1,1-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	563-58-6	W
1,2,3-Trichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	87-61-6	W
1,2,3-Trichloropropane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	96-18-4	W
1,2,4-Trichlorobenzene	**<49.5**	ug/kg	260	49.5	1	08/07/18 08:00	08/09/18 12:26	120-82-1	W
1,2,4-Trimethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	95-63-6	W
1,2-Dibromo-3-chloropropane	**<95.0**	ug/kg	260	95.0	1	08/07/18 08:00	08/09/18 12:26	96-12-8	W
1,2-Dibromoethane (EDB)	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	106-93-4	W
1,2-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	95-50-1	W
1,2-Dichloroethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	107-06-2	W
1,2-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	78-87-5	W
1,3,5-Trimethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	108-67-8	W
1,3-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	541-73-1	W
1,3-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	142-28-9	W
1,4-Dichlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	106-46-7	W
2,2-Dichloropropane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	594-20-7	W
2-Chlorotoluene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	95-49-8	W
4-Chlorotoluene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	106-43-4	W
Benzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	71-43-2	W
Bromobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	108-86-1	W
Bromochloromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	74-97-5	W
Bromodichloromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	75-27-4	W
Bromoform	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	75-25-2	W
Bromomethane	**<72.8**	ug/kg	260	72.8	1	08/07/18 08:00	08/09/18 12:26	74-83-9	W
Carbon tetrachloride	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	56-23-5	W
Chlorobenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	108-90-7	W
Chloroethane	**<69.8**	ug/kg	260	69.8	1	08/07/18 08:00	08/09/18 12:26	75-00-3	W
Chloroform	**<48.4**	ug/kg	260	48.4	1	08/07/18 08:00	08/09/18 12:26	67-66-3	W
Chloromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	74-87-3	W
Dibromochloromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	124-48-1	W
Dibromomethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	74-95-3	W
Dichlorodifluoromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	75-71-8	W
Diisopropyl ether	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	108-20-3	W
Ethylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	100-41-4	W
Hexachloro-1,3-butadiene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	87-68-3	W
Isopropylbenzene (Cumene)	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	98-82-8	W
Methyl-tert-butyl ether	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	1634-04-4	W
Methylene Chloride	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	75-09-2	W
Naphthalene	**<41.7**	ug/kg	260	41.7	1	08/07/18 08:00	08/09/18 12:26	91-20-3	W
Styrene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: P-1R (3-5) **Lab ID: 40173567017** Collected: 08/02/18 11:15 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**1100**	ug/kg	76.0	31.7	1	08/07/18 08:00	08/09/18 12:26	127-18-4	
Toluene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	108-88-3	W
Trichloroethene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	79-01-6	W
Trichlorofluoromethane	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	75-69-4	W
Vinyl chloride	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	75-01-4	W
cis-1,2-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	156-59-2	W
cis-1,3-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	10061-01-5	W
m&p-Xylene	**<52.1**	ug/kg	125	52.1	1	08/07/18 08:00	08/09/18 12:26	179601-23-1	W
n-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	104-51-8	W
n-Propylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	103-65-1	W
o-Xylene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	95-47-6	W
p-Isopropyltoluene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	99-87-6	W
sec-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	135-98-8	W
tert-Butylbenzene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	98-06-6	W
trans-1,2-Dichloroethene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	156-60-5	W
trans-1,3-Dichloropropene	**<26.0**	ug/kg	62.5	26.0	1	08/07/18 08:00	08/09/18 12:26	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	57-148		1	08/07/18 08:00	08/09/18 12:26	1868-53-7	
Toluene-d8 (S)	108	%	58-142		1	08/07/18 08:00	08/09/18 12:26	2037-26-5	
4-Bromofluorobenzene (S)	91	%	48-130		1	08/07/18 08:00	08/09/18 12:26	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.7**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: P-1R (7-9) **Lab ID: 40173567018** Collected: 08/02/18 11:20 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/09/18 12:49	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/09/18 12:49	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/09/18 12:49	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/09/18 12:49	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/09/18 12:49	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/09/18 12:49	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: P-1R (7-9) **Lab ID: 40173567018** Collected: 08/02/18 11:20 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**53.5J**	ug/kg	69.0	28.7	1	08/07/18 08:00	08/09/18 12:49	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/09/18 12:49	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 12:49	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-148		1	08/07/18 08:00	08/09/18 12:49	1868-53-7	
Toluene-d8 (S)	106	%	58-142		1	08/07/18 08:00	08/09/18 12:49	2037-26-5	
4-Bromofluorobenzene (S)	93	%	48-130		1	08/07/18 08:00	08/09/18 12:49	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.0**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: R-1R (1-3) **Lab ID: 40173567019** Collected: 08/02/18 11:25 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	630-20-6	W
1,1,1-Trichloroethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	71-55-6	W
1,1,2,2-Tetrachloroethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	79-34-5	W
1,1,2-Trichloroethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	79-00-5	W
1,1-Dichloroethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	75-34-3	W
1,1-Dichloroethene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	75-35-4	W
1,1-Dichloropropene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	563-58-6	W
1,2,3-Trichlorobenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	87-61-6	W
1,2,3-Trichloropropane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	96-18-4	W
1,2,4-Trichlorobenzene	**<5940**	ug/kg	31200	5940	125	08/07/18 08:00	08/09/18 15:32	120-82-1	W
1,2,4-Trimethylbenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	95-63-6	W
1,2-Dibromo-3-chloropropane	**<11400**	ug/kg	31200	11400	125	08/07/18 08:00	08/09/18 15:32	96-12-8	W
1,2-Dibromoethane (EDB)	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	106-93-4	W
1,2-Dichlorobenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	95-50-1	W
1,2-Dichloroethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	107-06-2	W
1,2-Dichloropropane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	78-87-5	W
1,3,5-Trimethylbenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	108-67-8	W
1,3-Dichlorobenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	541-73-1	W
1,3-Dichloropropane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	142-28-9	W
1,4-Dichlorobenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	106-46-7	W
2,2-Dichloropropane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	594-20-7	W
2-Chlorotoluene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	95-49-8	W
4-Chlorotoluene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	106-43-4	W
Benzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	71-43-2	W
Bromobenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	108-86-1	W
Bromochloromethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	74-97-5	W
Bromodichloromethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	75-27-4	W
Bromoform	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	75-25-2	W
Bromomethane	**<8740**	ug/kg	31200	8740	125	08/07/18 08:00	08/09/18 15:32	74-83-9	W
Carbon tetrachloride	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	56-23-5	W
Chlorobenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	108-90-7	W
Chloroethane	**<8380**	ug/kg	31200	8380	125	08/07/18 08:00	08/09/18 15:32	75-00-3	W
Chloroform	**<5810**	ug/kg	31200	5810	125	08/07/18 08:00	08/09/18 15:32	67-66-3	W
Chloromethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	74-87-3	W
Dibromochloromethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	124-48-1	W
Dibromomethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	74-95-3	W
Dichlorodifluoromethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	75-71-8	W
Diisopropyl ether	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	108-20-3	W
Ethylbenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	100-41-4	W
Hexachloro-1,3-butadiene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	87-68-3	W
Isopropylbenzene (Cumene)	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	98-82-8	W
Methyl-tert-butyl ether	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	1634-04-4	W
Methylene Chloride	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	75-09-2	W
Naphthalene	**<5010**	ug/kg	31200	5010	125	08/07/18 08:00	08/09/18 15:32	91-20-3	W
Styrene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: R-1R (1-3) **Lab ID: 40173567019** Collected: 08/02/18 11:25 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**732000**	ug/kg	10500	4350	125	08/07/18 08:00	08/09/18 15:32	127-18-4	
Toluene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	108-88-3	W
Trichloroethene	**6010J**	ug/kg	10500	4350	125	08/07/18 08:00	08/09/18 15:32	79-01-6	
Trichlorofluoromethane	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	75-69-4	W
Vinyl chloride	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	75-01-4	W
cis-1,2-Dichloroethene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	156-59-2	W
cis-1,3-Dichloropropene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	10061-01-5	W
m&p-Xylene	**<6250**	ug/kg	15000	6250	125	08/07/18 08:00	08/09/18 15:32	179601-23-1	W
n-Butylbenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	104-51-8	W
n-Propylbenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	103-65-1	W
o-Xylene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	95-47-6	W
p-Isopropyltoluene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	99-87-6	W
sec-Butylbenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	135-98-8	W
tert-Butylbenzene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	98-06-6	W
trans-1,2-Dichloroethene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	156-60-5	W
trans-1,3-Dichloropropene	**<3120**	ug/kg	7500	3120	125	08/07/18 08:00	08/09/18 15:32	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	0	%	57-148		125	08/07/18 08:00	08/09/18 15:32	1868-53-7	S4
Toluene-d8 (S)	0	%	58-142		125	08/07/18 08:00	08/09/18 15:32	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	48-130		125	08/07/18 08:00	08/09/18 15:32	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**28.2**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: R-1R (3-5) **Lab ID: 40173567020** Collected: 08/02/18 11:30 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	630-20-6	W
1,1,1-Trichloroethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	71-55-6	W
1,1,2,2-Tetrachloroethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	79-34-5	W
1,1,2-Trichloroethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	79-00-5	W
1,1-Dichloroethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	75-34-3	W
1,1-Dichloroethene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	75-35-4	W
1,1-Dichloropropene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	563-58-6	W
1,2,3-Trichlorobenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	87-61-6	W
1,2,3-Trichloropropane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	96-18-4	W
1,2,4-Trichlorobenzene	**<238**	ug/kg	1250	238	5	08/07/18 08:00	08/09/18 15:55	120-82-1	W
1,2,4-Trimethylbenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	95-63-6	W
1,2-Dibromo-3-chloropropane	**<456**	ug/kg	1250	456	5	08/07/18 08:00	08/09/18 15:55	96-12-8	W
1,2-Dibromoethane (EDB)	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	106-93-4	W
1,2-Dichlorobenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	95-50-1	W
1,2-Dichloroethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	107-06-2	W
1,2-Dichloropropane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	78-87-5	W
1,3,5-Trimethylbenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	108-67-8	W
1,3-Dichlorobenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	541-73-1	W
1,3-Dichloropropane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	142-28-9	W
1,4-Dichlorobenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	106-46-7	W
2,2-Dichloropropane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	594-20-7	W
2-Chlorotoluene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	95-49-8	W
4-Chlorotoluene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	106-43-4	W
Benzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	71-43-2	W
Bromobenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	108-86-1	W
Bromochloromethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	74-97-5	W
Bromodichloromethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	75-27-4	W
Bromoform	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	75-25-2	W
Bromomethane	**<350**	ug/kg	1250	350	5	08/07/18 08:00	08/09/18 15:55	74-83-9	W
Carbon tetrachloride	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	56-23-5	W
Chlorobenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	108-90-7	W
Chloroethane	**<335**	ug/kg	1250	335	5	08/07/18 08:00	08/09/18 15:55	75-00-3	W
Chloroform	**<232**	ug/kg	1250	232	5	08/07/18 08:00	08/09/18 15:55	67-66-3	W
Chloromethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	74-87-3	W
Dibromochloromethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	124-48-1	W
Dibromomethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	74-95-3	W
Dichlorodifluoromethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	75-71-8	W
Diisopropyl ether	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	108-20-3	W
Ethylbenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	100-41-4	W
Hexachloro-1,3-butadiene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	87-68-3	W
Isopropylbenzene (Cumene)	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	98-82-8	W
Methyl-tert-butyl ether	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	1634-04-4	W
Methylene Chloride	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	75-09-2	W
Naphthalene	**<200**	ug/kg	1250	200	5	08/07/18 08:00	08/09/18 15:55	91-20-3	W
Styrene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	100-42-5	W

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: R-1R (3-5) **Lab ID: 40173567020** Collected: 08/02/18 11:30 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**24500**	ug/kg	340	142	5	08/07/18 08:00	08/09/18 15:55	127-18-4	
Toluene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	108-88-3	W
Trichloroethene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	79-01-6	W
Trichlorofluoromethane	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	75-69-4	W
Vinyl chloride	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	75-01-4	W
cis-1,2-Dichloroethene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	156-59-2	W
cis-1,3-Dichloropropene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	10061-01-5	W
m&p-Xylene	**<250**	ug/kg	600	250	5	08/07/18 08:00	08/09/18 15:55	179601-23-1	W
n-Butylbenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	104-51-8	W
n-Propylbenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	103-65-1	W
o-Xylene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	95-47-6	W
p-Isopropyltoluene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	99-87-6	W
sec-Butylbenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	135-98-8	W
tert-Butylbenzene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	98-06-6	W
trans-1,2-Dichloroethene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	156-60-5	W
trans-1,3-Dichloropropene	**<125**	ug/kg	300	125	5	08/07/18 08:00	08/09/18 15:55	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	57-148		5	08/07/18 08:00	08/09/18 15:55	1868-53-7	
Toluene-d8 (S)	104	%	58-142		5	08/07/18 08:00	08/09/18 15:55	2037-26-5	
4-Bromofluorobenzene (S)	84	%	48-130		5	08/07/18 08:00	08/09/18 15:55	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.7**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: R-1R (7-9) **Lab ID: 40173567021** Collected: 08/02/18 11:35 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	630-20-6	W
1,1,1-Trichloroethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	71-55-6	W
1,1,2,2-Tetrachloroethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	79-34-5	W
1,1,2-Trichloroethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	79-00-5	W
1,1-Dichloroethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	75-34-3	W
1,1-Dichloroethene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	75-35-4	W
1,1-Dichloropropene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	563-58-6	W
1,2,3-Trichlorobenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	87-61-6	W
1,2,3-Trichloropropane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	96-18-4	W
1,2,4-Trichlorobenzene	**<190**	ug/kg	1000	190	4	08/07/18 08:00	08/09/18 16:18	120-82-1	W
1,2,4-Trimethylbenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	95-63-6	W
1,2-Dibromo-3-chloropropane	**<365**	ug/kg	1000	365	4	08/07/18 08:00	08/09/18 16:18	96-12-8	W
1,2-Dibromoethane (EDB)	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	106-93-4	W
1,2-Dichlorobenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	95-50-1	W
1,2-Dichloroethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	107-06-2	W
1,2-Dichloropropane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	78-87-5	W
1,3,5-Trimethylbenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	108-67-8	W
1,3-Dichlorobenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	541-73-1	W
1,3-Dichloropropane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	142-28-9	W
1,4-Dichlorobenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	106-46-7	W
2,2-Dichloropropane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	594-20-7	W
2-Chlorotoluene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	95-49-8	W
4-Chlorotoluene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	106-43-4	W
Benzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	71-43-2	W
Bromobenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	108-86-1	W
Bromochloromethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	74-97-5	W
Bromodichloromethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	75-27-4	W
Bromoform	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	75-25-2	W
Bromomethane	**<280**	ug/kg	1000	280	4	08/07/18 08:00	08/09/18 16:18	74-83-9	W
Carbon tetrachloride	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	56-23-5	W
Chlorobenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	108-90-7	W
Chloroethane	**<268**	ug/kg	1000	268	4	08/07/18 08:00	08/09/18 16:18	75-00-3	W
Chloroform	**<186**	ug/kg	1000	186	4	08/07/18 08:00	08/09/18 16:18	67-66-3	W
Chloromethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	74-87-3	W
Dibromochloromethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	124-48-1	W
Dibromomethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	74-95-3	W
Dichlorodifluoromethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	75-71-8	W
Diisopropyl ether	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	108-20-3	W
Ethylbenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	100-41-4	W
Hexachloro-1,3-butadiene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	87-68-3	W
Isopropylbenzene (Cumene)	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	98-82-8	W
Methyl-tert-butyl ether	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	1634-04-4	W
Methylene Chloride	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	75-09-2	W
Naphthalene	**<160**	ug/kg	1000	160	4	08/07/18 08:00	08/09/18 16:18	91-20-3	W
Styrene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: R-1R (7-9) **Lab ID: 40173567021** Collected: 08/02/18 11:35 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**20700**	ug/kg	268	112	4	08/07/18 08:00	08/09/18 16:18	127-18-4	
Toluene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	108-88-3	W
Trichloroethene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	79-01-6	W
Trichlorofluoromethane	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	75-69-4	W
Vinyl chloride	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	75-01-4	W
cis-1,2-Dichloroethene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	156-59-2	W
cis-1,3-Dichloropropene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	10061-01-5	W
m&p-Xylene	**<200**	ug/kg	480	200	4	08/07/18 08:00	08/09/18 16:18	179601-23-1	W
n-Butylbenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	104-51-8	W
n-Propylbenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	103-65-1	W
o-Xylene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	95-47-6	W
p-Isopropyltoluene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	99-87-6	W
sec-Butylbenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	135-98-8	W
tert-Butylbenzene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	98-06-6	W
trans-1,2-Dichloroethene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	156-60-5	W
trans-1,3-Dichloropropene	**<100**	ug/kg	240	100	4	08/07/18 08:00	08/09/18 16:18	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	110	%	57-148		4	08/07/18 08:00	08/09/18 16:18	1868-53-7	
Toluene-d8 (S)	111	%	58-142		4	08/07/18 08:00	08/09/18 16:18	2037-26-5	
4-Bromofluorobenzene (S)	92	%	48-130		4	08/07/18 08:00	08/09/18 16:18	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.5**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-E (2-4) **Lab ID: 40173567022** Collected: 08/02/18 12:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	630-20-6	W
1,1,1-Trichloroethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	79-34-5	W
1,1,2-Trichloroethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	79-00-5	W
1,1-Dichloroethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	75-34-3	W
1,1-Dichloroethene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	75-35-4	W
1,1-Dichloropropene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	563-58-6	W
1,2,3-Trichlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	87-61-6	W
1,2,3-Trichloropropane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	96-18-4	W
1,2,4-Trichlorobenzene	**<49.0**	ug/kg	258	49.0	1	08/07/18 08:00	08/09/18 13:36	120-82-1	W
1,2,4-Trimethylbenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	95-63-6	W
1,2-Dibromo-3-chloropropane	**<94.1**	ug/kg	258	94.1	1	08/07/18 08:00	08/09/18 13:36	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	106-93-4	W
1,2-Dichlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	95-50-1	W
1,2-Dichloroethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	107-06-2	W
1,2-Dichloropropane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	78-87-5	W
1,3,5-Trimethylbenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	108-67-8	W
1,3-Dichlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	541-73-1	W
1,3-Dichloropropane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	142-28-9	W
1,4-Dichlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	106-46-7	W
2,2-Dichloropropane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	594-20-7	W
2-Chlorotoluene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	95-49-8	W
4-Chlorotoluene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	106-43-4	W
Benzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	71-43-2	W
Bromobenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	108-86-1	W
Bromochloromethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	74-97-5	W
Bromodichloromethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	75-27-4	W
Bromoform	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	75-25-2	W
Bromomethane	**<72.1**	ug/kg	258	72.1	1	08/07/18 08:00	08/09/18 13:36	74-83-9	W
Carbon tetrachloride	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	56-23-5	W
Chlorobenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	108-90-7	W
Chloroethane	**<69.1**	ug/kg	258	69.1	1	08/07/18 08:00	08/09/18 13:36	75-00-3	W
Chloroform	**<47.9**	ug/kg	258	47.9	1	08/07/18 08:00	08/09/18 13:36	67-66-3	W
Chloromethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	74-87-3	W
Dibromochloromethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	124-48-1	W
Dibromomethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	74-95-3	W
Dichlorodifluoromethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	75-71-8	W
Diisopropyl ether	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	108-20-3	W
Ethylbenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	100-41-4	W
Hexachloro-1,3-butadiene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	87-68-3	W
Isopropylbenzene (Cumene)	**62.5J**	ug/kg	84.3	35.1	1	08/07/18 08:00	08/09/18 13:36	98-82-8	
Methyl-tert-butyl ether	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	1634-04-4	W
Methylene Chloride	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	75-09-2	W
Naphthalene	**<41.3**	ug/kg	258	41.3	1	08/07/18 08:00	08/09/18 13:36	91-20-3	W
Styrene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-E (2-4) **Lab ID: 40173567022** Collected: 08/02/18 12:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**175**	ug/kg	84.3	35.1	1	08/07/18 08:00	08/09/18 13:36	127-18-4	
Toluene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	108-88-3	W
Trichloroethene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	79-01-6	W
Trichlorofluoromethane	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	75-69-4	W
Vinyl chloride	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	75-01-4	W
cis-1,2-Dichloroethene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	156-59-2	W
cis-1,3-Dichloropropene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	10061-01-5	W
m&p-Xylene	**<51.5**	ug/kg	124	51.5	1	08/07/18 08:00	08/09/18 13:36	179601-23-1	W
n-Butylbenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	104-51-8	W
n-Propylbenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	103-65-1	W
o-Xylene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	95-47-6	W
p-Isopropyltoluene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	99-87-6	W
sec-Butylbenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	135-98-8	W
tert-Butylbenzene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	98-06-6	W
trans-1,2-Dichloroethene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	156-60-5	W
trans-1,3-Dichloropropene	**<25.8**	ug/kg	61.9	25.8	1	08/07/18 08:00	08/09/18 13:36	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-148		1	08/07/18 08:00	08/09/18 13:36	1868-53-7	
Toluene-d8 (S)	109	%	58-142		1	08/07/18 08:00	08/09/18 13:36	2037-26-5	
4-Bromofluorobenzene (S)	95	%	48-130		1	08/07/18 08:00	08/09/18 13:36	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**26.6**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-E (7-9) **Lab ID: 40173567023** Collected: 08/02/18 12:30 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/09/18 13:59	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/09/18 13:59	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/09/18 13:59	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/09/18 13:59	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/09/18 13:59	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/09/18 13:59	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-E (7-9) **Lab ID: 40173567023** Collected: 08/02/18 12:30 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/09/18 13:59	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 13:59	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	57-148		1	08/07/18 08:00	08/09/18 13:59	1868-53-7	
Toluene-d8 (S)	106	%	58-142		1	08/07/18 08:00	08/09/18 13:59	2037-26-5	
4-Bromofluorobenzene (S)	96	%	48-130		1	08/07/18 08:00	08/09/18 13:59	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.8**	%	0.10	0.10	1		08/06/18 15:57		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-N (2-4) **Lab ID: 40173567024** Collected: 08/02/18 13:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/09/18 14:22	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/09/18 14:22	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/09/18 14:22	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/09/18 14:22	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/09/18 14:22	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/09/18 14:22	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-N (2-4) **Lab ID: 40173567024** Collected: 08/02/18 13:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**775**	ug/kg	68.5	28.5	1	08/07/18 08:00	08/09/18 14:22	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/09/18 14:22	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:22	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	57-148		1	08/07/18 08:00	08/09/18 14:22	1868-53-7	
Toluene-d8 (S)	107	%	58-142		1	08/07/18 08:00	08/09/18 14:22	2037-26-5	
4-Bromofluorobenzene (S)	97	%	48-130		1	08/07/18 08:00	08/09/18 14:22	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.4**	%	0.10	0.10	1		08/07/18 17:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-N (7-9) **Lab ID: 40173567025** Collected: 08/02/18 14:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/07/18 08:00	08/09/18 14:46	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/07/18 08:00	08/09/18 14:46	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	78-87-5	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/07/18 08:00	08/09/18 14:46	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/07/18 08:00	08/09/18 14:46	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/07/18 08:00	08/09/18 14:46	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/07/18 08:00	08/09/18 14:46	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-N (7-9) **Lab ID: 40173567025** Collected: 08/02/18 14:00 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	127-18-4	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/07/18 08:00	08/09/18 14:46	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/07/18 08:00	08/09/18 14:46	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	57-148		1	08/07/18 08:00	08/09/18 14:46	1868-53-7	
Toluene-d8 (S)	105	%	58-142		1	08/07/18 08:00	08/09/18 14:46	2037-26-5	
4-Bromofluorobenzene (S)	86	%	48-130		1	08/07/18 08:00	08/09/18 14:46	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.5**	%	0.10	0.10	1		08/07/18 17:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-W (2-4) **Lab ID: 40173567026** Collected: 08/02/18 09:57 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,1,1,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	630-20-6	W
1,1,1-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	71-55-6	W
1,1,2,2-Tetrachloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	79-34-5	W
1,1,2-Trichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	79-00-5	W
1,1-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	75-34-3	W
1,1-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	75-35-4	W
1,1-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	563-58-6	W
1,2,3-Trichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	87-61-6	W
1,2,3-Trichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	96-18-4	W
1,2,4-Trichlorobenzene	**<47.6**	ug/kg	250	47.6	1	08/08/18 10:30	08/08/18 19:23	120-82-1	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	95-63-6	W
1,2-Dibromo-3-chloropropane	**<91.2**	ug/kg	250	91.2	1	08/08/18 10:30	08/08/18 19:23	96-12-8	W
1,2-Dibromoethane (EDB)	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	106-93-4	W
1,2-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	95-50-1	W
1,2-Dichloroethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	107-06-2	W
1,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	78-87-5	L1,W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	108-67-8	W
1,3-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	541-73-1	W
1,3-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	142-28-9	W
1,4-Dichlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	106-46-7	W
2,2-Dichloropropane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	594-20-7	W
2-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	95-49-8	W
4-Chlorotoluene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	106-43-4	W
Benzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	71-43-2	W
Bromobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	108-86-1	W
Bromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	74-97-5	W
Bromodichloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	75-27-4	W
Bromoform	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	75-25-2	W
Bromomethane	**<69.9**	ug/kg	250	69.9	1	08/08/18 10:30	08/08/18 19:23	74-83-9	W
Carbon tetrachloride	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	56-23-5	W
Chlorobenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	108-90-7	W
Chloroethane	**<67.0**	ug/kg	250	67.0	1	08/08/18 10:30	08/08/18 19:23	75-00-3	W
Chloroform	**<46.4**	ug/kg	250	46.4	1	08/08/18 10:30	08/08/18 19:23	67-66-3	W
Chloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	74-87-3	W
Dibromochloromethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	124-48-1	W
Dibromomethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	74-95-3	W
Dichlorodifluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	75-71-8	W
Diisopropyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	108-20-3	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	100-41-4	W
Hexachloro-1,3-butadiene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	87-68-3	W
Isopropylbenzene (Cumene)	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	98-82-8	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	1634-04-4	W
Methylene Chloride	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	75-09-2	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	08/08/18 10:30	08/08/18 19:23	91-20-3	W
Styrene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	100-42-5	W

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Sample: GP-405-W (2-4) **Lab ID: 40173567026** Collected: 08/02/18 09:57 Received: 08/04/18 08:10 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	**259**	ug/kg	69.7	29.0	1	08/08/18 10:30	08/08/18 19:23	127-18-4	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	108-88-3	W
Trichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	79-01-6	W
Trichlorofluoromethane	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	75-69-4	W
Vinyl chloride	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	75-01-4	W
cis-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	156-59-2	W
cis-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	10061-01-5	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	08/08/18 10:30	08/08/18 19:23	179601-23-1	W
n-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	104-51-8	W
n-Propylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	103-65-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	95-47-6	W
p-Isopropyltoluene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	99-87-6	W
sec-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	135-98-8	W
tert-Butylbenzene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	98-06-6	W
trans-1,2-Dichloroethene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	156-60-5	W
trans-1,3-Dichloropropene	**<25.0**	ug/kg	60.0	25.0	1	08/08/18 10:30	08/08/18 19:23	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-148		1	08/08/18 10:30	08/08/18 19:23	1868-53-7	
Toluene-d8 (S)	105	%	58-142		1	08/08/18 10:30	08/08/18 19:23	2037-26-5	
4-Bromofluorobenzene (S)	81	%	48-130		1	08/08/18 10:30	08/08/18 19:23	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**13.9**	%	0.10	0.10	1		08/07/18 17:17		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

QC Batch: 296533 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40173567002, 40173567003, 40173567004, 40173567005, 40173567006, 40173567007, 40173567008, 40173567013, 40173567014, 40173567015, 40173567016, 40173567017, 40173567018, 40173567019, 40173567020, 40173567021, 40173567022, 40173567023, 40173567024, 40173567025

METHOD BLANK: 1732225 Matrix: Solid
Associated Lab Samples: 40173567002, 40173567003, 40173567004, 40173567005, 40173567006, 40173567007, 40173567008, 40173567013, 40173567014, 40173567015, 40173567016, 40173567017, 40173567018, 40173567019, 40173567020, 40173567021, 40173567022, 40173567023, 40173567024, 40173567025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/08/18 10:48	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/08/18 10:48	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/08/18 10:48	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/08/18 10:48	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/08/18 10:48	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/08/18 10:48	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/08/18 10:48	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/08/18 10:48	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/08/18 10:48	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/08/18 10:48	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/08/18 10:48	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/08/18 10:48	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/08/18 10:48	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/08/18 10:48	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/08/18 10:48	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/08/18 10:48	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/08/18 10:48	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/08/18 10:48	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/08/18 10:48	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/08/18 10:48	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/08/18 10:48	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/08/18 10:48	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/08/18 10:48	
Benzene	ug/kg	<9.2	20.0	08/08/18 10:48	
Bromobenzene	ug/kg	<20.6	50.0	08/08/18 10:48	
Bromochloromethane	ug/kg	<21.4	50.0	08/08/18 10:48	
Bromodichloromethane	ug/kg	<9.8	50.0	08/08/18 10:48	
Bromoform	ug/kg	<19.8	50.0	08/08/18 10:48	
Bromomethane	ug/kg	<69.9	250	08/08/18 10:48	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/08/18 10:48	
Chlorobenzene	ug/kg	<14.8	50.0	08/08/18 10:48	
Chloroethane	ug/kg	<67.0	250	08/08/18 10:48	
Chloroform	ug/kg	<46.4	250	08/08/18 10:48	
Chloromethane	ug/kg	<20.4	50.0	08/08/18 10:48	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/08/18 10:48	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/08/18 10:48	
Dibromochloromethane	ug/kg	<17.9	50.0	08/08/18 10:48	
Dibromomethane	ug/kg	<19.3	50.0	08/08/18 10:48	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

METHOD BLANK: 1732225 Matrix: Solid

Associated Lab Samples: 40173567002, 40173567003, 40173567004, 40173567005, 40173567006, 40173567007, 40173567008, 40173567013, 40173567014, 40173567015, 40173567016, 40173567017, 40173567018, 40173567019, 40173567020, 40173567021, 40173567022, 40173567023, 40173567024, 40173567025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/08/18 10:48	
Diisopropyl ether	ug/kg	<17.7	50.0	08/08/18 10:48	
Ethylbenzene	ug/kg	<12.4	50.0	08/08/18 10:48	
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/08/18 10:48	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/08/18 10:48	
m&p-Xylene	ug/kg	<34.4	100	08/08/18 10:48	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/08/18 10:48	
Methylene Chloride	ug/kg	<16.2	50.0	08/08/18 10:48	
n-Butylbenzene	ug/kg	<10.5	50.0	08/08/18 10:48	
n-Propylbenzene	ug/kg	<11.6	50.0	08/08/18 10:48	
Naphthalene	ug/kg	<40.0	250	08/08/18 10:48	
o-Xylene	ug/kg	<14.0	50.0	08/08/18 10:48	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/08/18 10:48	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/08/18 10:48	
Styrene	ug/kg	<9.0	50.0	08/08/18 10:48	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/08/18 10:48	
Tetrachloroethene	ug/kg	<12.9	50.0	08/08/18 10:48	
Toluene	ug/kg	<11.2	50.0	08/08/18 10:48	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/08/18 10:48	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/08/18 10:48	
Trichloroethene	ug/kg	<23.6	50.0	08/08/18 10:48	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/08/18 10:48	
Vinyl chloride	ug/kg	<21.1	50.0	08/08/18 10:48	
4-Bromofluorobenzene (S)	%	106	48-130	08/08/18 10:48	
Dibromofluoromethane (S)	%	113	57-148	08/08/18 10:48	
Toluene-d8 (S)	%	122	58-142	08/08/18 10:48	

LABORATORY CONTROL SAMPLE: 1732226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2650	106	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2540	102	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2600	104	70-130	
1,1-Dichloroethane	ug/kg	2500	2820	113	67-132	
1,1-Dichloroethene	ug/kg	2500	2620	105	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	2500	100	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2430	97	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2610	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2460	98	70-130	
1,2-Dichloroethane	ug/kg	2500	2750	110	65-137	
1,2-Dichloropropane	ug/kg	2500	2830	113	75-126	
1,3-Dichlorobenzene	ug/kg	2500	2520	101	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

LABORATORY CONTROL SAMPLE: 1732226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/kg	2500	2390	96	70-130	
Benzene	ug/kg	2500	2760	111	70-130	
Bromodichloromethane	ug/kg	2500	2530	101	70-130	
Bromoform	ug/kg	2500	2430	97	57-117	
Bromomethane	ug/kg	2500	2530	101	48-135	
Carbon tetrachloride	ug/kg	2500	2710	108	65-133	
Chlorobenzene	ug/kg	2500	2550	102	70-130	
Chloroethane	ug/kg	2500	2650	106	37-165	
Chloroform	ug/kg	2500	2690	107	72-126	
Chloromethane	ug/kg	2500	2340	93	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	2570	103	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2660	106	69-130	
Dibromochloromethane	ug/kg	2500	2580	103	68-130	
Dichlorodifluoromethane	ug/kg	2500	1720	69	22-100	
Ethylbenzene	ug/kg	2500	2750	110	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	2500	100	70-130	
m&p-Xylene	ug/kg	5000	5370	107	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2680	107	66-129	
Methylene Chloride	ug/kg	2500	2650	106	68-129	
o-Xylene	ug/kg	2500	2630	105	70-130	
Styrene	ug/kg	2500	2740	110	70-130	
Tetrachloroethene	ug/kg	2500	2390	96	70-130	
Toluene	ug/kg	2500	2620	105	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	2580	103	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2470	99	67-130	
Trichloroethene	ug/kg	2500	2670	107	70-130	
Trichlorofluoromethane	ug/kg	2500	2540	102	64-134	
Vinyl chloride	ug/kg	2500	2450	98	52-122	
4-Bromofluorobenzene (S)	%			107	48-130	
Dibromofluoromethane (S)	%			109	57-148	
Toluene-d8 (S)	%			113	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1732227 1732228

Parameter	Units	40173567004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1420	1420	1490	1390	105	98	62-130	7	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1420	1420	1560	1550	110	109	64-137	1	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1420	1420	1500	1560	106	110	70-130	3	20	
1,1-Dichloroethane	ug/kg	<25.0	1420	1420	1640	1500	115	106	65-132	9	20	
1,1-Dichloroethene	ug/kg	<25.0	1420	1420	1360	1410	96	100	50-128	4	21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1420	1420	1690	1680	119	118	51-148	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1420	1420	1520	1590	107	112	43-134	4	23	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1420	1420	1470	1470	104	104	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1732227 1732228

Parameter	Units	40173567004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichlorobenzene	ug/kg	<25.0	1420	1420	1520	1590	108	112	70-130	4	20	
1,2-Dichloroethane	ug/kg	<25.0	1420	1420	1670	1580	118	111	65-139	6	20	
1,2-Dichloropropane	ug/kg	<25.0	1420	1420	1710	1580	121	112	74-128	8	20	
1,3-Dichlorobenzene	ug/kg	<25.0	1420	1420	1510	1600	107	113	70-130	6	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1420	1420	1470	1530	104	108	70-130	4	20	
Benzene	ug/kg	<25.0	1420	1420	1550	1530	110	108	66-132	2	20	
Bromodichloromethane	ug/kg	<25.0	1420	1420	1530	1400	108	99	69-130	8	20	
Bromoform	ug/kg	<25.0	1420	1420	1380	1420	97	100	57-130	3	20	
Bromomethane	ug/kg	<69.9	1420	1420	1180	1410	83	100	34-145	18	20	
Carbon tetrachloride	ug/kg	<25.0	1420	1420	1460	1400	103	99	54-133	4	20	
Chlorobenzene	ug/kg	<25.0	1420	1420	1510	1510	106	106	70-130	0	20	
Chloroethane	ug/kg	<67.0	1420	1420	1530	1410	108	100	33-165	8	20	
Chloroform	ug/kg	<46.4	1420	1420	1590	1540	113	109	72-128	4	20	
Chloromethane	ug/kg	<25.0	1420	1420	1250	1370	88	97	20-120	9	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1420	1420	1560	1510	110	107	69-130	4	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1420	1420	1580	1430	112	101	65-130	10	20	
Dibromochloromethane	ug/kg	<25.0	1420	1420	1520	1500	107	106	65-130	1	20	
Dichlorodifluoromethane	ug/kg	<25.0	1420	1420	1130	1050	80	74	10-109	7	29	
Ethylbenzene	ug/kg	<25.0	1420	1420	1590	1530	112	108	63-127	4	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1420	1420	1540	1420	109	100	66-130	9	20	
m&p-Xylene	ug/kg	<50.0	2830	2830	3250	3030	114	107	70-130	7	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1420	1420	1690	1490	119	105	62-135	12	20	
Methylene Chloride	ug/kg	<25.0	1420	1420	1530	1470	108	104	68-129	4	20	
o-Xylene	ug/kg	<25.0	1420	1420	1580	1550	112	110	69-130	2	20	
Styrene	ug/kg	<25.0	1420	1420	1620	1570	114	111	70-130	3	20	
Tetrachloroethene	ug/kg	<25.0	1420	1420	1320	1390	91	96	70-130	5	20	
Toluene	ug/kg	<25.0	1420	1420	1430	1500	101	106	80-123	4	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1420	1420	1450	1470	103	104	70-130	1	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1420	1420	1460	1470	103	103	67-130	1	20	
Trichloroethene	ug/kg	<25.0	1420	1420	1630	1400	115	99	70-130	15	20	
Trichlorofluoromethane	ug/kg	<25.0	1420	1420	1510	1270	106	90	41-134	17	26	
Vinyl chloride	ug/kg	<25.0	1420	1420	1480	1390	104	98	39-122	6	20	
4-Bromofluorobenzene (S)	%						114	105	48-130			
Dibromofluoromethane (S)	%						117	110	57-148			
Toluene-d8 (S)	%						117	115	58-142			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

QC Batch: 296683 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40173567001, 40173567026

METHOD BLANK: 1733077 Matrix: Solid
Associated Lab Samples: 40173567001, 40173567026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	08/08/18 16:44	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	08/08/18 16:44	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	08/08/18 16:44	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	08/08/18 16:44	
1,1-Dichloroethane	ug/kg	<17.6	50.0	08/08/18 16:44	
1,1-Dichloroethene	ug/kg	<17.6	50.0	08/08/18 16:44	
1,1-Dichloropropene	ug/kg	<14.0	50.0	08/08/18 16:44	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	08/08/18 16:44	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	08/08/18 16:44	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	08/08/18 16:44	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	08/08/18 16:44	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	08/08/18 16:44	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	08/08/18 16:44	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	08/08/18 16:44	
1,2-Dichloroethane	ug/kg	<15.0	50.0	08/08/18 16:44	
1,2-Dichloropropane	ug/kg	<16.8	50.0	08/08/18 16:44	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	08/08/18 16:44	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	08/08/18 16:44	
1,3-Dichloropropane	ug/kg	<12.0	50.0	08/08/18 16:44	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	08/08/18 16:44	
2,2-Dichloropropane	ug/kg	<12.6	50.0	08/08/18 16:44	
2-Chlorotoluene	ug/kg	<15.8	50.0	08/08/18 16:44	
4-Chlorotoluene	ug/kg	<13.0	50.0	08/08/18 16:44	
Benzene	ug/kg	<9.2	20.0	08/08/18 16:44	
Bromobenzene	ug/kg	<20.6	50.0	08/08/18 16:44	
Bromochloromethane	ug/kg	<21.4	50.0	08/08/18 16:44	
Bromodichloromethane	ug/kg	<9.8	50.0	08/08/18 16:44	
Bromoform	ug/kg	<19.8	50.0	08/08/18 16:44	
Bromomethane	ug/kg	<69.9	250	08/08/18 16:44	
Carbon tetrachloride	ug/kg	<12.1	50.0	08/08/18 16:44	
Chlorobenzene	ug/kg	<14.8	50.0	08/08/18 16:44	
Chloroethane	ug/kg	<67.0	250	08/08/18 16:44	
Chloroform	ug/kg	<46.4	250	08/08/18 16:44	
Chloromethane	ug/kg	<20.4	50.0	08/08/18 16:44	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	08/08/18 16:44	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	08/08/18 16:44	
Dibromochloromethane	ug/kg	<17.9	50.0	08/08/18 16:44	
Dibromomethane	ug/kg	<19.3	50.0	08/08/18 16:44	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	08/08/18 16:44	
Diisopropyl ether	ug/kg	<17.7	50.0	08/08/18 16:44	
Ethylbenzene	ug/kg	<12.4	50.0	08/08/18 16:44	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

METHOD BLANK: 1733077 Matrix: Solid
Associated Lab Samples: 40173567001, 40173567026

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	08/08/18 16:44	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	08/08/18 16:44	
m&p-Xylene	ug/kg	<34.4	100	08/08/18 16:44	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	08/08/18 16:44	
Methylene Chloride	ug/kg	<16.2	50.0	08/08/18 16:44	
n-Butylbenzene	ug/kg	13.8J	50.0	08/08/18 16:44	
n-Propylbenzene	ug/kg	<11.6	50.0	08/08/18 16:44	
Naphthalene	ug/kg	<40.0	250	08/08/18 16:44	
o-Xylene	ug/kg	<14.0	50.0	08/08/18 16:44	
p-Isopropyltoluene	ug/kg	<12.0	50.0	08/08/18 16:44	
sec-Butylbenzene	ug/kg	<11.9	50.0	08/08/18 16:44	
Styrene	ug/kg	<9.0	50.0	08/08/18 16:44	
tert-Butylbenzene	ug/kg	<9.5	50.0	08/08/18 16:44	
Tetrachloroethene	ug/kg	<12.9	50.0	08/08/18 16:44	
Toluene	ug/kg	<11.2	50.0	08/08/18 16:44	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	08/08/18 16:44	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	08/08/18 16:44	
Trichloroethene	ug/kg	<23.6	50.0	08/08/18 16:44	
Trichlorofluoromethane	ug/kg	<24.7	50.0	08/08/18 16:44	
Vinyl chloride	ug/kg	<21.1	50.0	08/08/18 16:44	
4-Bromofluorobenzene (S)	%	76	48-130	08/08/18 16:44	
Dibromofluoromethane (S)	%	103	57-148	08/08/18 16:44	
Toluene-d8 (S)	%	106	58-142	08/08/18 16:44	

LABORATORY CONTROL SAMPLE: 1733078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	1850	74	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	3160	126	68-130	
1,1,2-Trichloroethane	ug/kg	2500	2600	104	70-130	
1,1-Dichloroethane	ug/kg	2500	2270	91	67-132	
1,1-Dichloroethene	ug/kg	2500	2050	82	67-128	
1,2,4-Trichlorobenzene	ug/kg	2500	1720	69	51-131	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2430	97	49-117	
1,2-Dibromoethane (EDB)	ug/kg	2500	2270	91	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2440	98	70-130	
1,2-Dichloroethane	ug/kg	2500	1980	79	65-137	
1,2-Dichloropropane	ug/kg	2500	3180	127	75-126	L1
1,3-Dichlorobenzene	ug/kg	2500	2370	95	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
Benzene	ug/kg	2500	2010	81	70-130	
Bromodichloromethane	ug/kg	2500	2360	94	70-130	
Bromoform	ug/kg	2500	2280	91	57-117	
Bromomethane	ug/kg	2500	1930	77	48-135	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

LABORATORY CONTROL SAMPLE: 1733078

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	1800	72	65-133	
Chlorobenzene	ug/kg	2500	2270	91	70-130	
Chloroethane	ug/kg	2500	2440	97	37-165	
Chloroform	ug/kg	2500	1870	75	72-126	
Chloromethane	ug/kg	2500	2080	83	34-120	
cis-1,2-Dichloroethene	ug/kg	2500	1880	75	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2170	87	69-130	
Dibromochloromethane	ug/kg	2500	2450	98	68-130	
Dichlorodifluoromethane	ug/kg	2500	1040	42	22-100	
Ethylbenzene	ug/kg	2500	2170	87	79-121	
Isopropylbenzene (Cumene)	ug/kg	2500	1940	78	70-130	
m&p-Xylene	ug/kg	5000	4440	89	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2000	80	66-129	
Methylene Chloride	ug/kg	2500	1920	77	68-129	
o-Xylene	ug/kg	2500	2070	83	70-130	
Styrene	ug/kg	2500	2350	94	70-130	
Tetrachloroethene	ug/kg	2500	2210	88	70-130	
Toluene	ug/kg	2500	2480	99	80-123	
trans-1,2-Dichloroethene	ug/kg	2500	1950	78	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2080	83	67-130	
Trichloroethene	ug/kg	2500	2230	89	70-130	
Trichlorofluoromethane	ug/kg	2500	1710	68	64-134	
Vinyl chloride	ug/kg	2500	1940	78	52-122	
4-Bromofluorobenzene (S)	%			84	48-130	
Dibromofluoromethane (S)	%			84	57-148	
Toluene-d8 (S)	%			94	58-142	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1733079 1733080

Parameter	Units	10441964006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	ND	1250	1250	1140	1160	91	93	62-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	1250	1250	1430	1420	115	114	64-137	1	20	
1,1,2-Trichloroethane	ug/kg	ND	1250	1250	1260	1380	101	110	70-130	9	20	
1,1-Dichloroethane	ug/kg	ND	1250	1250	1420	1520	113	121	65-132	7	20	
1,1-Dichloroethene	ug/kg	ND	1250	1250	1230	1390	99	112	50-128	12	21	
1,2,4-Trichlorobenzene	ug/kg	ND	1250	1250	1500	1330	120	106	51-148	12	20	
1,2-Dibromo-3-chloropropane	ug/kg	ND	1250	1250	1690	1850	135	148	43-134	9	23	M1
1,2-Dibromoethane (EDB)	ug/kg	ND	1250	1250	1230	1320	99	106	70-130	7	20	
1,2-Dichlorobenzene	ug/kg	ND	1250	1250	1460	1530	117	122	70-130	4	20	
1,2-Dichloroethane	ug/kg	ND	1250	1250	1160	1290	93	103	65-139	11	20	
1,2-Dichloropropane	ug/kg	ND	1250	1250	1540	1580	124	126	74-128	2	20	
1,3-Dichlorobenzene	ug/kg	ND	1250	1250	1440	1500	115	120	70-130	4	20	
1,4-Dichlorobenzene	ug/kg	ND	1250	1250	1480	1450	118	116	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1733079 1733080

Parameter	Units	10441964006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	1250	1250	1130	1200	91	96	66-132	6	20	
Bromodichloromethane	ug/kg	ND	1250	1250	1200	1240	96	99	69-130	3	20	
Bromoform	ug/kg	ND	1250	1250	1520	1580	121	127	57-130	4	20	
Bromomethane	ug/kg	ND	1250	1250	1250	1300	100	104	34-145	4	20	
Carbon tetrachloride	ug/kg	ND	1250	1250	1090	1140	87	91	54-133	4	20	
Chlorobenzene	ug/kg	ND	1250	1250	1150	1180	92	94	70-130	2	20	
Chloroethane	ug/kg	ND	1250	1250	1480	1450	119	116	33-165	2	20	
Chloroform	ug/kg	ND	1250	1250	1190	1240	92	96	72-128	4	20	
Chloromethane	ug/kg	ND	1250	1250	1270	1270	102	102	20-120	0	20	
cis-1,2-Dichloroethene	ug/kg	ND	1250	1250	1110	1200	89	96	69-130	7	20	
cis-1,3-Dichloropropene	ug/kg	ND	1250	1250	1020	1030	82	83	65-130	1	20	
Dibromochloromethane	ug/kg	ND	1250	1250	1190	1240	95	99	65-130	4	20	
Dichlorodifluoromethane	ug/kg	ND	1250	1250	530	554	42	44	10-109	4	29	
Ethylbenzene	ug/kg	1570	1250	1250	2350	3260	62	135	63-127	33	20	M1,R1
Isopropylbenzene (Cumene)	ug/kg	350	1250	1250	1260	1560	73	97	66-130	21	20	R1
m&p-Xylene	ug/kg	3570	2500	2500	5240	6900	67	133	70-130	27	20	M1,R1
Methyl-tert-butyl ether	ug/kg	ND	1250	1250	1190	1280	95	102	62-135	7	20	
Methylene Chloride	ug/kg	ND	1250	1250	1250	1310	100	105	68-129	5	20	
o-Xylene	ug/kg	1560	1250	1250	2330	3260	61	136	69-130	33	20	M1,R1
Styrene	ug/kg	ND	1250	1250	1120	1210	90	97	70-130	7	20	
Tetrachloroethene	ug/kg	ND	1250	1250	1210	1210	97	97	70-130	1	20	
Toluene	ug/kg	199	1250	1250	1280	1460	86	101	80-123	13	20	
trans-1,2-Dichloroethene	ug/kg	ND	1250	1250	1240	1330	99	107	70-130	8	20	
trans-1,3-Dichloropropene	ug/kg	ND	1250	1250	1230	1270	99	102	67-130	3	20	
Trichloroethene	ug/kg	ND	1250	1250	1260	1310	101	105	70-130	4	20	
Trichlorofluoromethane	ug/kg	ND	1250	1250	1030	1020	82	82	41-134	0	26	
Vinyl chloride	ug/kg	ND	1250	1250	1180	1240	94	99	39-122	5	20	
4-Bromofluorobenzene (S)	%						83	88	48-130			
Dibromofluoromethane (S)	%						96	97	57-148			1q
Toluene-d8 (S)	%						89	94	58-142			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

QC Batch: 296638 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 40173567009, 40173567010, 40173567011, 40173567012

METHOD BLANK: 1732793 Matrix: Solid
Associated Lab Samples: 40173567009, 40173567010, 40173567011, 40173567012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<4.0	13.4	08/08/18 14:04	
2-Methylnaphthalene	ug/kg	<5.0	16.7	08/08/18 14:04	
Acenaphthene	ug/kg	<3.9	12.9	08/08/18 14:04	
Acenaphthylene	ug/kg	<3.3	11.0	08/08/18 14:04	
Anthracene	ug/kg	<5.7	19.0	08/08/18 14:04	
Benzo(a)anthracene	ug/kg	<3.2	10.6	08/08/18 14:04	
Benzo(a)pyrene	ug/kg	<2.5	8.4	08/08/18 14:04	
Benzo(b)fluoranthene	ug/kg	<2.8	9.4	08/08/18 14:04	
Benzo(g,h,i)perylene	ug/kg	<2.0	6.8	08/08/18 14:04	
Benzo(k)fluoranthene	ug/kg	<2.5	8.4	08/08/18 14:04	
Chrysene	ug/kg	<3.4	11.2	08/08/18 14:04	
Dibenz(a,h)anthracene	ug/kg	<2.2	7.4	08/08/18 14:04	
Fluoranthene	ug/kg	<5.2	17.4	08/08/18 14:04	
Fluorene	ug/kg	<4.1	13.8	08/08/18 14:04	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.2	7.3	08/08/18 14:04	
Naphthalene	ug/kg	<8.4	28.1	08/08/18 14:04	
Phenanthrene	ug/kg	<11.6	38.8	08/08/18 14:04	
Pyrene	ug/kg	<4.5	15.0	08/08/18 14:04	
2-Fluorobiphenyl (S)	%	65	10-115	08/08/18 14:04	
Terphenyl-d14 (S)	%	84	10-121	08/08/18 14:04	

LABORATORY CONTROL SAMPLE: 1732794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	334	234	70	45-103	
2-Methylnaphthalene	ug/kg	334	220	66	43-98	
Acenaphthene	ug/kg	334	225	67	43-100	
Acenaphthylene	ug/kg	334	228	68	40-100	
Anthracene	ug/kg	334	284	85	50-113	
Benzo(a)anthracene	ug/kg	334	241	72	49-102	
Benzo(a)pyrene	ug/kg	334	283	85	51-105	
Benzo(b)fluoranthene	ug/kg	334	240	72	49-105	
Benzo(g,h,i)perylene	ug/kg	334	240	72	34-113	
Benzo(k)fluoranthene	ug/kg	334	304	91	54-110	
Chrysene	ug/kg	334	303	91	55-116	
Dibenz(a,h)anthracene	ug/kg	334	238	71	45-108	
Fluoranthene	ug/kg	334	286	86	50-118	
Fluorene	ug/kg	334	228	68	41-103	
Indeno(1,2,3-cd)pyrene	ug/kg	334	246	74	43-115	
Naphthalene	ug/kg	334	224	67	44-92	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
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(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

LABORATORY CONTROL SAMPLE: 1732794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/kg	334	263	79	51-104	
Pyrene	ug/kg	334	256	77	51-106	
2-Fluorobiphenyl (S)	%			69	10-115	
Terphenyl-d14 (S)	%			85	10-121	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1732795 1732796

Parameter	Units	40173383009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<4.2	347	347	211	263	61	76	21-105	22	30	
2-Methylnaphthalene	ug/kg	<5.2	347	347	191	248	55	72	18-103	26	29	
Acenaphthene	ug/kg	<4.0	347	347	172	227	50	66	31-100	28	28	
Acenaphthylene	ug/kg	<3.4	347	347	178	234	51	67	30-100	27	27	
Anthracene	ug/kg	<5.9	347	347	198	249	57	72	27-113	23	30	
Benzo(a)anthracene	ug/kg	<3.3	347	347	163	214	47	62	28-102	27	30	
Benzo(a)pyrene	ug/kg	<2.6	347	347	162	260	47	75	27-105	46	32	R1
Benzo(b)fluoranthene	ug/kg	<2.9	347	347	165	230	48	66	24-109	33	37	
Benzo(g,h,i)perylene	ug/kg	<2.1	347	347	102	141	30	41	10-113	32	38	
Benzo(k)fluoranthene	ug/kg	<2.6	347	347	239	299	69	86	35-110	22	31	
Chrysene	ug/kg	<3.5	347	347	214	287	62	83	29-116	29	29	
Dibenz(a,h)anthracene	ug/kg	<2.3	347	347	128	176	37	51	22-108	31	32	
Fluoranthene	ug/kg	<5.4	347	347	203	257	59	74	27-118	23	34	
Fluorene	ug/kg	<4.3	347	347	168	222	49	64	31-103	28	28	
Indeno(1,2,3-cd)pyrene	ug/kg	<2.3	347	347	124	171	36	49	18-115	32	33	
Naphthalene	ug/kg	<8.8	347	347	178	236	51	68	34-92	28	31	
Phenanthrene	ug/kg	<12.1	347	347	188	238	54	69	28-104	24	32	
Pyrene	ug/kg	<4.7	347	347	185	243	53	70	13-117	27	40	
2-Fluorobiphenyl (S)	%						49	65	10-115			
Terphenyl-d14 (S)	%						54	73	10-121			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

QC Batch: 296484 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40173567001, 40173567002, 40173567003, 40173567004, 40173567005

SAMPLE DUPLICATE: 1732069

Parameter	Units	40173502009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.3	17.6	4	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

QC Batch: 296486 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40173567006, 40173567007, 40173567008, 40173567009, 40173567010, 40173567011, 40173567012, 40173567013, 40173567014, 40173567015, 40173567016, 40173567017, 40173567018, 40173567019, 40173567020, 40173567021, 40173567022, 40173567023

SAMPLE DUPLICATE: 1732079

Parameter	Units	40173567007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.3	11.2	2	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

QC Batch: 296613 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40173567024, 40173567025, 40173567026

SAMPLE DUPLICATE: 1732705

Parameter	Units	40173615001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.2	3.2	1	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

QUALIFIERS

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1q	Sample aliquot was taken from a glass jar with head space and MeOH preserved in the laboratory.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
W	Non-detect results are reported on a wet weight basis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40173567009	GP-13-S (4-6)	EPA 3546	296638	EPA 8270 by SIM	296694
40173567010	GP-13-C (4-6)	EPA 3546	296638	EPA 8270 by SIM	296694
40173567011	GP-13-C (6-8)	EPA 3546	296638	EPA 8270 by SIM	296694
40173567012	GP-13-N (4-6)	EPA 3546	296638	EPA 8270 by SIM	296694
40173567001	GP-112-S (2-4)	EPA 5035/5030B	296683	EPA 8260	296685
40173567002	GP-112-S (6-8)	EPA 5035/5030B	296533	EPA 8260	296536
40173567003	GP-112-E (2-4)	EPA 5035/5030B	296533	EPA 8260	296536
40173567004	GP-112-E (10-12)	EPA 5035/5030B	296533	EPA 8260	296536
40173567005	GP-112-E (12-17)	EPA 5035/5030B	296533	EPA 8260	296536
40173567006	GP-112-W (2-4)	EPA 5035/5030B	296533	EPA 8260	296536
40173567007	GP-112-W (8-10)	EPA 5035/5030B	296533	EPA 8260	296536
40173567008	GP-112-W (10-11)	EPA 5035/5030B	296533	EPA 8260	296536
40173567013	GP-405-W (7-9)	EPA 5035/5030B	296533	EPA 8260	296536
40173567014	GP-407-S (2-4)	EPA 5035/5030B	296533	EPA 8260	296536
40173567015	GP-407-S (7-9)	EPA 5035/5030B	296533	EPA 8260	296536
40173567016	P-1R (1-3)	EPA 5035/5030B	296533	EPA 8260	296536
40173567017	P-1R (3-5)	EPA 5035/5030B	296533	EPA 8260	296536
40173567018	P-1R (7-9)	EPA 5035/5030B	296533	EPA 8260	296536
40173567019	R-1R (1-3)	EPA 5035/5030B	296533	EPA 8260	296536
40173567020	R-1R (3-5)	EPA 5035/5030B	296533	EPA 8260	296536
40173567021	R-1R (7-9)	EPA 5035/5030B	296533	EPA 8260	296536
40173567022	GP-405-E (2-4)	EPA 5035/5030B	296533	EPA 8260	296536
40173567023	GP-405-E (7-9)	EPA 5035/5030B	296533	EPA 8260	296536
40173567024	GP-405-N (2-4)	EPA 5035/5030B	296533	EPA 8260	296536
40173567025	GP-405-N (7-9)	EPA 5035/5030B	296533	EPA 8260	296536
40173567026	GP-405-W (2-4)	EPA 5035/5030B	296683	EPA 8260	296685
40173567001	GP-112-S (2-4)	ASTM D2974-87	296484		
40173567002	GP-112-S (6-8)	ASTM D2974-87	296484		
40173567003	GP-112-E (2-4)	ASTM D2974-87	296484		
40173567004	GP-112-E (10-12)	ASTM D2974-87	296484		
40173567005	GP-112-E (12-17)	ASTM D2974-87	296484		
40173567006	GP-112-W (2-4)	ASTM D2974-87	296486		
40173567007	GP-112-W (8-10)	ASTM D2974-87	296486		
40173567008	GP-112-W (10-11)	ASTM D2974-87	296486		
40173567009	GP-13-S (4-6)	ASTM D2974-87	296486		
40173567010	GP-13-C (4-6)	ASTM D2974-87	296486		
40173567011	GP-13-C (6-8)	ASTM D2974-87	296486		
40173567012	GP-13-N (4-6)	ASTM D2974-87	296486		
40173567013	GP-405-W (7-9)	ASTM D2974-87	296486		
40173567014	GP-407-S (2-4)	ASTM D2974-87	296486		
40173567015	GP-407-S (7-9)	ASTM D2974-87	296486		
40173567016	P-1R (1-3)	ASTM D2974-87	296486		
40173567017	P-1R (3-5)	ASTM D2974-87	296486		
40173567018	P-1R (7-9)	ASTM D2974-87	296486		
40173567019	R-1R (1-3)	ASTM D2974-87	296486		
40173567020	R-1R (3-5)	ASTM D2974-87	296486		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 6255 SUNRISE SHOPPING CENTER
Pace Project No.: 40173567

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40173567021	**R-1R (7-9)**	ASTM D2974-87	296486		
40173567022	**GP-405-E (2-4)**	ASTM D2974-87	296486		
40173567023	**GP-405-E (7-9)**	ASTM D2974-87	296486		
40173567024	**GP-405-N (2-4)**	ASTM D2974-87	296613		
40173567025	**GP-405-N (7-9)**	ASTM D2974-87	296613		
40173567026	**GP-405-W (2-4)**	ASTM D2974-87	296613		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
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CHAIN OF CUSTODY

40173567

55h

(Please Print Clearly)	
Company Name:	DAI
Branch/Location:	LAKE FOREST
Project Contact:	CHAS CALLEO
Phone:	847 573 8900
Project Number:	6255
Project Name:	SUNRISE SENIOR LIVING CENTER
Project State:	WI
Sampled By (Print):	DAN TRACY
Sampled By (Sign):	
PO #:	Regulatory Program:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air; B = Biota; C = Charcoal; O = Oil; S = Soil; SI = Sludge; W = Water; DW = Drinking Water; GW = Ground Water; SW = Surface Water; WW = Waste Water; WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE) Pick Letter	Analyses Requested: VOCs	PNAs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	GP-112-S (2-4)	8/2/18	0830	S			X				
002	GP-112-S (6-8)		0832								
003	GP-112-E (2-4)		0840								
004	GP-112-E (10-12)		0845								
005	GP-112-E (12-13)		0850								
006	GP-112-W (2-4)		0900								
007	GP-112-W (8-10)		0905								
008	GP-112-W (10-11)		0910				X				
009	GP-13-S (4-6)		0920					X			
010	GP-13-C (4-6)		0930					X			
011	GP-13-C (6-8)		0935					X			
012	GP-13-N (4-6)		0945					X			
013	GP-405-W (7-9)		0950				X				

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[illegible]	8/3/18 1:25pm	Kathy Mendel	8/3/18 1325
Kathy Mendel	8/3/18 1700	CS Logistics	8/3/18
CS Logistics	8/4/18 0810	[illegible] Pace	8/4/18 0810
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. 40173567
Receipt Temp = R 4 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Version 6.0 05/14/06
ORIGINAL

C019a(27Jun2006)

UPPER MIDWEST REGION
MN: 612-607-1700 **WI:** 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

40173567

(Please Print Clearly)	
Company Name:	DA
Branch/Location:	Lake Forest
Project Contact:	
Phone:	
Project Number:	6255
Project Name:	Sunrise
Project State:	WI
Sampled By (Print):	DAN JAEN
Sampled By (Sign):	
PO #:	Regulatory Program:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: VOCs	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	GP-407-S (2-4)	8/2/18	1035	S			X			
015	GP-407-S (7-9)		1045				X			
016	P-1R (1-3)		1100							
017	P-1R (3-5)		1115							
018	P-1R (7-9)		1120							
019	R-1R (1-3)		1125							
020	R-1R (3-5)		1130							
021	R-1R (7-9)		1135							
022	GP-405-E (2-4)		1200							
023	GP-405-E (7-9)		1230							
024	GP-405-N (2-4)		1300							
025	GP-405-N (7-9)		1400							
026	GP-405-W (2-4)		0957				X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[illegible]	8/3/18 1:25pm	[illegible]	8/3/18 1325
[illegible]	8/3/18 1700	CS Logistics	8/3/18
CS Logistics	8/4/18 0810	[illegible] Pace	8/4/18 0810

PACE Project No. 40173567

Receipt Temp = ROI °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: DAI Project # 40173567

All containers needing preservation have been checked and noted below: □Yes □No ☑N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																			1		1												2.5 / 5 / 10
002																			1		1												2.5 / 5 / 10
003																			1		1												2.5 / 5 / 10
004																			1		1												2.5 / 5 / 10
005																			1		1												2.5 / 5 / 10
006																			1		1												2.5 / 5 / 10
007																			1		1												2.5 / 5 / 10
008																			1		1												2.5 / 5 / 10
009																			+		+1												2.5 / 5 / 10
010																8448			+		+1	8448											2.5 / 5 / 10
011																			+		+1												2.5 / 5 / 10
012																			1		+1												2.5 / 5 / 10
013																			1		1												2.5 / 5 / 10
014																			1		1												2.5 / 5 / 10
015																			1		1												2.5 / 5 / 10
016																			1		1												2.5 / 5 / 10
017																			1		1												2.5 / 5 / 10
018																			1		1												2.5 / 5 / 10
019																			1		1												2.5 / 5 / 10
020																			1		1												2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No ☑N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: PAI

Project #: 40173567

	Glass							Plastic							Vials						Jars			General									
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
021																			/		/												2.5 / 5 / 10
022																			/		/												2.5 / 5 / 10
023																			/		/												2.5 / 5 / 10
024																			/		/												2.5 / 5 / 10
025																			/		/												2.5 / 5 / 10
026																			/		/												2.5 / 5 / 10
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																																	2.5 / 5 / 20
																																	2.5 / 5 / 21
																																	2.5 / 5 / 22
																																	2.5 / 5 / 23

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO#: 40173567**

40173567

Client Name: DAI

Courier: ☑ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☐ Client ☐ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used SR - N/A **Type of Ice:** (Wet) Blue Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1.07 /Corr: _____

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 8/4/18
Initials: JP

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☑No ☐N/A	2. no mail to, invoice, filter pres 8/4/18 JP
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD: ☐Yes ☑No ☐N/A		8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☐Yes ☑No ☐N/A	12. no tins, 006,023 → Same ID on vials
-Includes date/time/ID/Analysis Matrix: S		016,017 → ID "R-1R" at "P" marked on lid 8/4/18 JP
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: LW **Date:** 8/6/18

APPENDIX C.6.C
INVENTORY OF INJECTION WELLS

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921

Inventory of Injection Wells

Form 3300-253 (5/01)

This information is collected under the authority of the Safe Drinking Water Act.

Notice: Code of Federal Regulations (40 CFR 144.26 Inventory Requirements): owners or operators of all injection wells authorized by rule shall submit inventory information to an approved State Underground Injection Control Program. Personal information collected on this form will be used for inventory purposes. Information will be made accessible to requesters under Wisconsin's Open Records laws (s. 19.32 to 19.39, Wis. Stats.) and requirements.

Date Prepared (Year, Month, Day)	Facility ID Number	Transaction Type (Please check one of the following)
2018/10/18	241828620	☐ Deletion ☒ Entry Change ☐ First Time Entry ☐ Replacement

Facility Name and Location

Last Name	First	MI	Latitude: DEG MIN SEC	Longitude: DEG MIN SEC
Sunrise Shopping Center			N	W

Street Address / Route Number	Township	Range	Section	¼ Section
2410-2424 10th Avenue & 1009 Marquette Avenue	5 N	22 E	11	SE & SW

City / Town	State	ZIP Code	County	Tribal Land
South Milwaukee	WI	53172	Milwaukee	☐ Yes ☒ No

Legal Contact

Type	Last Name	First	MI	Telephone Number (incl. area code)
☒ Owner ☐ Operator	Dukatt	Steven		

Organization: Carol Investment Corporation

Street / P.O. Box: 1410 South Clinton Street

City / Town	State	ZIP Code
Chicago	IL	60607

Ownership

☒ Private ☐ County / Local Government
☐ State ☐ Federal
☐ Specify Other _____

Well Information

WELL CLASS	WELL TYPE	TOTAL NUMBER OF WELLS	WELL OPERATION STATUS				
			UC	AC	TA	PA	AN
V	UIC (see below)	35	X				
V	UIC (direct push rods)	13				X	

KEY:

DEG = Degree
MIN = Minute
SEC = Seconds
SECT = Section
¼ SECT = Quarter Section
AC = Active
UC = Under Construction
PA = Permanently Abandoned and Aproved by State
AN = Permanently Abandoned and Not Approved by State
TA = Temporarily Abandoned and Not Approved by State

Comments *(Optional)*:

The 35 proposed injection wells are to be utilized for injection of a chemical oxidant during soil and groundwater remediation activities as approved by WDNR RR Program. The wells will consist of injection through 1-in PVC wells (or direct-push drilling rods as an alternate). The 35 proposed injection wells are new wells.

The previously installed 13 injection points (of 23 originally proposed) were properly abandoned in July 2018 following the completion of the pilot-scale testing for chemical injection. No UIC wells are presently in-place on-site.

APPENDIX C.6.D
UPDATED NR 140 EXEMPTION REQUEST

ENVIRONMENTAL

Environmental Engineers, Geologists and Scientists

Tel 847.573.8900
Fax 847.573.8953

Polo Park Business Center
27834 N. Irma Lee Circle
Lake Forest, Illinois 60045-5130

October 22, 2018

Mr. Alan Hopfensperger
SER Wastewater Program
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128

RE: NR 140 Exemption Update
(Full-scale Chemical Injection Remedial Actions)
BRRTS #: 02-41-576336 & 02-41-579429
FID #: 241828620
Sunrise Shopping Center
2410-2424 10th Avenue & 1009 Marquette Avenue
South Milwaukee, Wisconsin 53172

Mr. Hopfensperger:

As required by NR 140.28(5)(b), a request for a temporary exemption must be submitted to the Wisconsin Department of Natural Resources (WDNR) when intending to perform infiltration or injection as a remedial action to address groundwater contamination. Additionally, a variance from NR 812.05 must be approved by the WDNR. A *Request for Approval of NR 140.28 Exemption and NR 812.05 Variance* was previously submitted to the Wisconsin Department of Natural Resources (WDNR) on May 23, 2018, seeking approval to perform a chemical injection pilot test as part of proposed Remedial Actions for the above-referenced facility. As required, an application for coverage under Wisconsin Pollutant Discharge Elimination System (WPDES) permit WI-0046566 was also submitted.

Approval for coverage under a WPDES permit was granted in a letter from the WDNR dated June 6, 2018 (with coverage under the reissued WPDES permit subsequently granted in a subsequent letter dated June 29, 2018). The NR 140 Temporary Injection Exemption was granted in a letter from the WDNR dated June 27, 2018, with a subsequent letter of July 9, 2018, approving injection of a second chemical during the pilot test injections.

Based upon the results of the pilot testing that was performed in July 2018, chemical injection is proposed for full-scale remedial actions for the Sunrise Shopping Center site. This *NR 140 Exemption Update* is being provided to the WDNR Wastewater Program because the originally approved NR 140 Exemption only covered the pilot-scale injection activities. A *Design Report Addendum/Remedial Action Plan* is being submitted to WDNR Remediation and Redevelopment Program concurrent to this *NR 140 Exemption Update*.

An *Inventory of Injection Wells* Form (3300-253) is included here as Attachment 1. Chemical injection Remedial Actions are already approved for coverage under WPDES Permit WI-0046566-07-0, but Attachment 2 includes a copy of the reapplication submitted concurrently to this *NR 140 Exemption Update* and the *Design Report Addendum/Remedial Action Plan* for purpose of updating the injection information to be covered by the WPDES Permit. Other pertinent information on the planned injection activities is included as Attachments 3-4.

If you have any questions or require additional information in regards to this request, please contact me at 847-573-8900 extension 580. Thank you for your time and assistance.

Sincerely,
DAI Environmental, Inc.

Christopher Cailles, P.E.
Project Engineer

Attachments

cc: Steven Dukatt – Carol Investment Corporation (w/attachments)

ATTACHMENT 1
INVENTORY OF INJECTION WELLS

State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921

Inventory of Injection Wells

Form 3300-253 (5/01)

This information is collected under the authority of the Safe Drinking Water Act.

Notice: Code of Federal Regulations (40 CFR 144.26 Inventory Requirements): owners or operators of all injection wells authorized by rule shall submit inventory information to an approved State Underground Injection Control Program. Personal information collected on this form will be used for inventory purposes. Information will be made accessible to requesters under Wisconsin's Open Records laws (s. 19.32 to 19.39, Wis. Stats.) and requirements.

Date Prepared (Year, Month, Day)	Facility ID Number	Transaction Type (Please check one of the following)
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Facility Name and Location

Last Name	First	MI	Latitude: DEG MIN SEC	Longitude: DEG MIN SEC
Sunrise Shopping Center			N	W

Street Address / Route Number	Township	Range	Section	¼ Section
2410-2424 10th Avenue & 1009 Marquette Avenue	5 N	22 E	11	SE & SW

City / Town	State	ZIP Code	County	Tribal Land
South Milwaukee	WI	53172	Milwaukee	☐ Yes ☒ No

Legal Contact

Type	Last Name	First	MI	Telephone Number (incl. area code)
☒ Owner ☐ Operator	Dukatt	Steven		

Organization: Carol Investment Corporation

Street / P.O. Box: 1410 South Clinton Street

City / Town	State	ZIP Code
Chicago	IL	60607

Ownership

☒ Private ☐ County / Local Government
☐ State ☐ Federal
☐ Specify Other _____

Well Information

WELL CLASS	WELL TYPE	TOTAL NUMBER OF WELLS	WELL OPERATION STATUS				
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V	UIC (see below)	35	X				
V	UIC (direct push rods)	13				X	

KEY:

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TA = Temporarily Abandoned and Not Approved by State

Comments *(Optional)*:

The 35 proposed injection wells are to be utilized for injection of a chemical oxidant during soil and groundwater remediation activities as approved by WDNR RR Program. The wells will consist of injection through 1-in PVC wells (or direct-push drilling rods as an alternate). The 35 proposed injection wells are new wells.

The previously installed 13 injection points (of 23 originally proposed) were properly abandoned in July 2018 following the completion of the pilot-scale testing for chemical injection. No UIC wells are presently in-place on-site.

ATTACHMENT 2
WPDES APPLICATION

State of Wisconsin
Department of Natural Resources
Bureau of Water Quality
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Notice of Intent (NOI)
Contaminated Groundwater from Remedial Action Operations
WPDES Permit No. WI-0046566-07-0
Rev. 06/2018

Notice: Pursuant to chs. NR 200 and 205, Wis. Adm. Code, this notice of intent (NOI) is required to request coverage under the Wisconsin Pollutant Discharge Elimination System (WPDES) Permit No. WI-0046566-07-0 for discharges of contaminated groundwater to waters of the state of Wisconsin. Failure to complete this form in its entirety may result in a returned NOI or a denied NOI. Personal information collected will be used for administrative purposes and may be provided to requestors to the extent required by Wisconsin Open Records law [ss. 19.31-19.39, Wis. Stats.].

SECTION I: FACILITY/PROJECT LOCATION INFORMATION			
Facility/Project Name Sunrise Shopping Center		Facility Mailing Address (i.e. PO Box, Street, or Route)	
Facility/Project Physical Address (i.e. Street or Route) 2410-2424 10th Avenue & 1009 Marquette Avenue		City, State, Zip Code South Milwaukee, WI 53172	
County Milwaukee	Facility Phone No.	Facility Fax No.	Facility Email Address
SECTION II: FACILITY CONTACT INFORMATION			
Facility Operator/Plant Manager		Title	
Company DAI Environmental, Inc. c/o F. Thomas DePaul		Contact Mailing Address (i.e. PO Box, Street, or Route) 27834 North Irma Lee Circle	
City, State, Zip Code Lake Forest, IL 60045		Contact Phone No. (847) 573-8900 x 570	Alternative Phone No. (847) 528-8900
Contact Fax No. (847) 573-8953		Contact Email Address depaul@daienv.com	
Discharge Monitoring Contact Name Christopher Cailles		Title Project Engineer	
Company DAI Environmental, Inc.		Contact Mailing Address (i.e. PO Box, Street, or Route) 27834 North Irma Lee Circle	
City, State, Zip Code Lake Forest, IL 60045		Contact Phone No. (847) 573-8900 x 580	Alternative Phone No. (847) 343-4958
Contact Fax No. (847) 573-8953		Contact Email Address cailles@daienv.com	
Authorized Representative Name Christopher Cailles		Title Project Engineer	
Company DAI Environmental, Inc.		AR Mailing Address (i.e. PO Box, Street, or Route) 27834 North Irma Lee Circle	
City, State, Zip Code Lake Forest, IL 60045		AR Phone No. (847) 573-8900 x 580	Alternative Phone No. (847) 343-4958
AR Fax No. (847) 573-8953		AR Email Address cailles@daienv.com	

State of Wisconsin
Department of Natural Resources
Bureau of Water Quality
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Notice of Intent (NOI)
Contaminated Groundwater from Remedial Action Operations
WPDES Permit No. WI-0046566-07-0
Rev. 06/2018

SECTION III: FACILITY OWNER MAILING ADDRESS (if different from Authorized Representative)		
Facility Owner Name Carol Investment Corporation	Title c/o Steven Dukatt	
Parent Company	Owner Mailing Address (i.e. PO Box, Street, or Route) 1410 South Clinton Street	
City, State, Zip Code Chicago, IL 60607	Owner Phone No. (773) 227-6500	Alternative Phone No.
Contact Fax No.	Contact Email Address awgreen1410@sbcglobal.com	

SECTION IV: DISCHARGE CHARACTERIZATION

Type of Wastewater (check all that apply):	**Discharge Frequency** (e.g. Annual, Monthly, Daily)	**Average Daily Flow** (gallons of water discharged per day)	**Type of Wastewater** (check all that apply):	**Discharge Frequency** (e.g. Annual, Monthly, Daily)	**Average Daily Flow** (gallons of water discharged per day)
☐ Treated wastewater from groundwater remediation project			☐ Cleaning or decontamination wastewaters from the cleaning of treatment equipment for a remediation project		
☒ Infiltration or injection of a substance or remedial material for remediation of soil or groundwater	Batch injection, multiple events, non-standard schedule	TBD at time of batch injection per field encountered conditions	☐ Other (describe type)		
☐ Treated wastewater from dewatering of construction trenches or pits			☐ Other (describe type)		
☐ Landspreading or spray irrigation of agricultural chemical contaminated wastewater			☐ Other (describe type)		

SECTION V: ELIGIBILITY CHECKLIST

1. Is the wastewater discharged from and/or to properties within tribal lands (i.e. land owned by or held in trust for the tribes and land within recognized reservation boundaries)?

☐ Yes. **Your discharge is not eligible for this General Permit.** *If all discharges from your facility go to or come*

from properties in tribal lands, you do not require regulation under a WPDES discharge permit. Therefore, skip the rest of the NOI and sign the last page. We will remove you from our tracking system. The Tribe or United States Environmental Protection Agency (EPA) regulates discharges within tribal lands.

☒ No. **Proceed to question 2.**

2. Is the wastewater discharged to a Publicly Owned Treatment Works (i.e. sanitary sewer)? A septic system is not considered a sanitary sewer.

☐ Yes. **Your discharge is not eligible for this General Permit.** *If all discharges from your facility go to a sanitary sewer, you do not require regulation under a WPDES discharge permit. Therefore, skip the rest of the NOI and sign the last page. We will remove you from our tracking system. If at some point in the future operations at your facility result in a discharge, you will need to inform the Department. If only some or no discharges from your facility go to the sanitary sewer, please proceed to question 3.*

☒ No. **Proceed to question 3.**

3. Are any of the following wastewaters discharged or mixed with the above wastewaters to surface water or groundwater: Contact or noncontact cooling water, water from boiler cleaning operations, air compressor condensate contaminated with oil and grease, softener regeneration backwash, municipal wastewater, domestic wastewater, or process wastewaters from the production of any material or product, or other wastewater not otherwise cover by this general permit?

☐ Yes. **Your discharge is not eligible for this General Permit.** *Skip the rest of the NOI and complete the certification on last page. Contact the Department to obtain application for an individual WPDES discharge permit.*

☒ No. **Proceed to question 4.**

4. What is the receiving water for your discharge? If your facility has more than one outfall, indicate in the space provided which outfalls go to groundwater and which go to surface waters. *(check all that apply)*

☒ **Groundwater Discharge** (*any wastewater that is allowed to infiltrate or seep into the soil from a permeable surface including but not limited to any drain field, agricultural field, ditch, swale, depression, trench or pit, adsorption pond, infiltration pond, rain garden, prairie, or vegetative area that may impact groundwater quality*). **If you will only be discharging to groundwater, please proceed to question 5.**

Outfall #(s):

☐ **Wetland Discharge** (*any discernible, confined and discrete conveyance system including but not limited to any pipe, ditch, channel, tunnel, conduit, swale, or storm sewer that will carry wastewater to a wetland. Wetlands mean an area where water is at, near or above the land surface long enough to be capable of supporting aquatic or hydrophytic vegetation and which has soils indicative of wet conditions*). **If you will only be discharging to wetlands, please proceed to question 5.**

Outfall #(s):

Note: *The Department will need to determine if your discharge would cause significant adverse impacts to wetlands*

☐ **Surface Water Discharge** *(any discernible, confined and discrete conveyance system including but not limited to any pipe, ditch, channel, tunnel, conduit, swale, or storm sewer that will carry wastewater to a creek, stream, pond, marsh, bay, reservoir, river, lake, or other surface water within the state of Wisconsin*). **Proceed to question 4A.**

Outfall #(s):

A. What is the name(s) of the surface water your discharge enters?

Proceed to question 4B.

B. What is the Water Body Identification Code (WBIC) of the surface water your discharge enters?

Proceed to question 4C.

Note: The WBIC for a specific surface water can be found at: http://dnr.wi.gov/water/waterSearch.aspx.

C. Is the discharge directly to a surface water classified as an outstanding or exceptional resource waters as defined in ch. NR 102, Wis. Adm. Code.?

☐ Yes. **Your discharge is not eligible for this General Permit.** *Skip the rest of the NOI and complete the certification on last page. Contact the Department to obtain application for an individual WPDES discharge permit.*

☐ No. **Proceed to question 4D.**

D. Is the discharge directly to a surface water classified as a public water supply (i.e. Lake Superior, Lake Michigan and Lake Winnebago) in ch. NR 104, Wis. Adm. Code?

☐ Yes. **Your discharge is not eligible for this General Permit.** *Skip the rest of the NOI and complete the certification on last page. Contact the Department to obtain application for an individual WPDES discharge permit.*

☐ No. **Proceed to question 5.**

5. Does the discharge contain water treatment additives (i.e. biocides such as microbicides, fungicides, molluscicdes, chlorine, etc.) or water quality conditioners (i.e. scale and corrosion inhibitors, pH adjustment chemicals, oxygen scavengers, conditioning agents, water softening compounds, etc.) that may enter surface water or groundwater without receiving wastewater treatment or that are used in a treatment process but are not expected to be removed by wastewater treatment?

☐ Yes. **For each additive used, please fill out and attach an Additive Review Worksheet.** *Additive Review Worksheets must be completed to receive coverage under this general permit. The Additive Review Worksheet is not required for additives with active ingredients consisting of chlorine, hypochlorite, sulfuric acid, hydrochloric acid or sodium hydroxide. Also, chemicals used in an industrial process generating wastewater that eventually receives treatment or chemicals added as part of wastewater treatment process (such as ferric chloride, alum or pickle liquor) are not considered water treatment additives and need not require an additive review.* **Proceed to question 6.**

☒ No. **Proceed to question 6.**

6. Will chlorine-based compounds be used to control the growth of micro-organisms in the treatment system or used to decontaminate the treatment system after completion of the remediation project?

☐ Yes. **Proceed to question 6A.**

☒ No. **Proceed to question 7.**

A. Will chemicals be used to dechlorinate the wastewater prior to discharge to surface water?

☐ Yes. **The wastewater will be dechlorinated with chemicals. Proceed to question 7.**

☐ No. **The wastewater will not be dechlorinated with chemicals. Proceed to question 7.**

7. Is a discharge management plan attached to this NOI that includes all the information necessary from Section 3 of the permit?

☒ Yes. **Proceed to question 8.**

☐ No. **This form will be considered incomplete and returned to you.**

8. Has the groundwater at the site been analyzed for contaminants and are the results attach to the discharge management plan?

☒ Yes. **Proceed to question 9.**

☐ No. **This form will be considered incomplete and returned to you.**

9. If a treatment facility is required for the treatment of contaminated groundwater, have the plans and specifications been submitted to or approved by the department under s. 281.41, Wis. Stats., and ch. NR 108, Wis. Adm. Code?

☒ Yes. **Proceed to Section VI.**

☐ No. **Please contact wastewater plan review staff to find out how to get the plans approved. Proceed to Section VI.**

Note: Department wastewater plan review staff can be found here: http://dnr.wi.gov/topic/wastewater/planreviewers.html.

Additionally, department plan submittal requirements can be found here: http://dnr.wi.gov/topic/wastewater/AdequateSubmittal.html.

SECTION VI: CERTIFICATION

This form must be signed by a responsible executive or municipal officer, manager, partner or proprietor as specified in s. 283.37(3), Wis. Stats., or a duly authorized representative of the officer, manager, partner or proprietor that has been delegated signature authority pursuant to s. NR 205.07(1)(g)2., Wis. Adm. Code. To delegate signatory authority to a duly authorized representative, please submit a Delegation of Signature Authority (DSA) form (Form 3400-220).

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Representative Name	Title
Christopher Cailles	Project Engineer
Authorized Representative Signature: Christopher Cailles	Date Signed: 10/22/18
Submitter Name (If different from Authorized Representative)	Title
Submitter Signature	Date Signed

ATTACHMENT 1
TABLES

Table A.1.A. Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)							PAL[1]	ES[2]
	TW-2 (11/12/14)	MW-5 (01/27/15)	MW-5 (02/23/16)	MW-5 (05/30/17)	MW-5 (01/05/18)	MW-5 (04/07/18)	MW-5 (07/30/18)		
Benzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00025	0.0005	0.005
Bromobenzene	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00024	NL	NL
Bromochloromethane	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00036	NL	NL
Bromodichloromethane	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.00036*	0.00006	0.0006
Bromoform	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.0005*	<0.004*	0.00044	0.0044
Bromomethane	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.0024*	<0.00097	0.001	0.01
n-Butylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00071	NL	NL
sec-Butylbenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.00085	NL	NL
tert-Butylbenzene	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.0003	NL	NL
Carbon tetrachloride	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00017	0.0005	0.005
Chlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00071	NL	NL
Chloroethane	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.00037	<0.0013	0.08	0.4
Chloroform	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0025*	<0.0013*	0.0006	0.006
Chloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0022	0.003	0.03
2-Chlorotoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00093	NL	NL
4-Chlorotoluene	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00076	NL	NL
Dibromochloromethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0026	0.006	0.006
1,2-Dibromo-3-chloropropane	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0022*	<0.0018*	0.00002	0.0002
1,2-Dibromoethane (EDB)	<0.00016*	<0.00018*	<0.00018*	<0.00018*	<0.00018*	<0.00018*	<0.00083*	0.000005	0.00005
Dibromomethane	<0.00043	<0.00043	<0.00043	<0.00043	<0.00043	<0.00043	<0.00094	NL	NL
1,2-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00071	0.06	0.6
1,3-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00063	0.12	0.6
1,4-Dichlorobenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00094	0.015	0.075
Dichlorodifluoromethane	<0.0002	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.0005	0.2	1
1,1-Dichloroethane	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00024	<0.00027	0.085	0.85
1,2-Dichloroethane	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00028	0.0005	0.005
1,1-Dichloroethene	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	<0.00024	0.0007	0.007
cis-1,2-Dichloroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00027	0.007	0.07
trans-1,2-Dichoroethene	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.0011	0.02	0.1
1,2-Dichloropropane	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00028	0.0005	0.005
1,3-Dichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00083	NL	NL
2,2-Dichloropropane	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.00048	<0.0023	NL	NL
1,1-Dichloropropene	<0.00044	<0.00044	<0.00044	<0.00044	<0.00044	<0.00044	<0.00054	NL	NL
1,3-Dichloropropene (c & t)	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.00073*	<0.008*	0.00004	0.0004
Diisopropyl ether	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0019	NL	NL
Ethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00022	0.14	0.7

Table A.1.A (Continued). Groundwater Analytical Table for Volatile Organic Compounds (mg/L)

Volatile Organic Compound	Sample Location (Sample Date)							PAL[1]	ES[2]
	TW-2 (11/12/14)	MW-5 (01/27/15)	MW-5 (02/23/16)	MW-5 (05/30/17)	MW-5 (01/05/18)	MW-5 (04/07/18)	MW-5 (07/30/18)		
Hexachloro-1,3-butadiene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0012	NL	NL
Isopropyl benzene	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00014	<0.00039	NL	NL
p-Isopropyltoluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0008	NL	NL
Methylene chloride	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00023	<0.00058*	0.0005	0.005
Methyl tertiary-butyl ether	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.0012	0.012	0.06
Naphthalene	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0012	0.01	0.1
n-Propylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00081	NL	NL
Styrene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00047	0.01	0.1
1,1,1,2-Tetrachloroethane	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00027	0.007	0.07
1,1,2,2-Tetrachloroethane	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00025*	<0.00028*	0.00002	0.0002
Tetrachloroethene	**0.0026**	**0.0026**	**<u>0.0083</u>**	**<u>0.0124</u>**	**<u>0.0181</u>**	**<u>0.0203</u>**	**<u>0.0086</u>**	0.0005	0.005
Toluene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00017	0.16	0.8
1,2,3-Trichlorobenzene	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.0021	<0.00063	NL	NL
1,2,4-Trichlorobenzene	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.00095	0.014	0.07
1,1,1-Trichloroethane	<0.0005	<0.0005	<0.0005	<0.0005	<0.00057	0.000897	0.00088	0.04	0.2
1,1,2-Trichloroethane	<0.00016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.00055*	0.0005	0.005
Trichloroethene	<0.00033	<0.00033	<0.00033	<0.00033	<0.00033	<0.00033	<0.00026	0.0005	0.005
Trichlorofluoromethane	<0.00017	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00021	0.7	3.5
1,2,3-Trichloropropane	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00059	0.012	0.06
1,2,4-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00084	0.096	0.48
1,3,5-Trimethylbenzene	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.00087		
Vinyl chloride	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00017	0.4	2
Xylenes (total)	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.00073	3.96	260

[1] – Preventive Action Limits (PALs) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
[2] – Enforcement Standards (ES) taken from Wisconsin Administrative Code, Chapter NR 140, Table 1
Bold – Concentration exceeds the PAL
<u>Underlined</u> – Concentration exceeds the PAL and the ES
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR140.14(3)(a)
(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification
NL – Not Listed in NR 140
VOCs via USEPA Method SW8260
NOTE – MW-5 generally duplicated TW-2

Table A.7.A1. Soil Analytical Results Table for Perc and TCE (mg/kg)
(Site Investigation vs Post-Injection Confirmation Samples – Outside Former Dry Cleaner)

Sample Location	Sample Depth	Perc	TCE
GP-311	2-4	**1.89**	<0.0266*
GP-311	8-10	**0.0284**	<0.0253*
GP-311R	2-4	**6.78**	<0.05*
GP-311R	10-12	**0.0384 (J)**	<0.025*
GP-112-E	2-4	**2.52**	<0.026*
GP-112-E	10-12	<0.025*	<0.025*
GP-112-E	12-13	<0.025*	<0.025*
GP-115	2-4	**2.79**	<0.0281*
GP-115	8-10	<0.0287*	<0.0287*
GP-112-S	2-4	**6.16**	**0.0738 (J)**
GP-112-S	6-8	<0.0253*	<0.0253*
GP-112-W	2-4	<0.0281*	<0.0281*
GP-112-W	8-10	<0.0329*	<0.0329*
GP-112-W	10-11	<0.025*	<0.025*
GP-306	8-10	<0.025*	<0.025*
GP-3	8-10	<0.025*	<0.025*
GP-4	2-4	**0.81**	<0.0255*
GP-4	8-10	<0.025*	<0.025*
GP-12	8-10	<0.0255*	<0.0255*
GP-112	2-4	**0.0475 (J)**	<0.025*
GP-114	2-4	**2.86**	**0.0751**
GP-115	2-4	**2.79**	<0.0281*
GP-202	2-4	**28.4**	**0.334 (J)**
GP-306	8-10	<0.025*	<0.025*
GP-307	8-10	<0.0272*	<0.0272*
GP-308	2-4	**0.371**	<0.0263*
GP-308	8-10	<0.025*	<0.025*
GP-309	2-4	**0.108**	<0.0258*
GP-309	8-10	**0.0341 (J)**	<0.025*
GP-310	2-4	**0.046 (J)**	<0.025*
GP-310	8-10	<0.025*	<0.025*
GP-517	2-4	<0.025*	<0.025*
GP-517	6-8	**0.0948**	<0.025*
GP-518	2-4	**4.11**	<0.0263*
GP-518	6-8	**0.262**	<0.0253*
GP-519	2-4	**0.0767 (J)**	<0.025*
GP-520	2-4	**0.53**	<0.025*
GW RCL[1]		**0.045**	**0.0036**
Residential DC RCL[2]		**33**	**1.3**
Industrial DC RCL[3]		**145**	**8.41**

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (June 2018 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial (Residential) property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Industrial DC RCL)

* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR 720.07(2)(d)(1)

(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

VOCs via USEPA Method SW8260B/5035

Samples collected between November 12, 2014 and August 2, 2018

Table A.7.A2. Soil Analytical Results Table for Perc and TCE (mg/kg)
(Site Investigation vs Post-Injection Confirmation Samples – Inside Former Dry Cleaner)

Sample Location	Sample Depth	Perc	TCE
GP-405	0-2	***3,750***	<12.5*
GP-405	6-8	***157***	<0.625*
R-1R	1-3	***732***	***6.01 (J)***
R-1R	3-5	**24.5**	<0.125*
R-1R	7-9	**20.7**	<0.1*
GP-407	0-2	***435***	***1.35 (J)***
GP-407	6-8	**19.3**	<0.1*
P-1R	1-3	***100***	<0.5*
P-1R	3-5	**1.1**	<0.026*
P-1R	7-9	**0.0535 (J)**	<0.025*
GP-405-E	2-4	**0.175**	<0.0258*
GP-405-E	7-9	<0.025*	<0.025*
GP-405-N	2-4	**0.775**	<0.025*
GP-405-N	7-9	<0.025*	<0.025*
GP-405-W	2-4	**0.259**	<0.025*
GP-405-W	7-9	<0.025*	<0.025*
GP-407-S	2-4	<0.025*	<0.025*
GP-407-S	7-9	<0.025*	<0.025*
GP-103	12-14	<0.0417*	<0.0417*
GP-401	6-8	**0.0934 (J)**	<0.025*
GP-402	0-2	***142***	<0.05*
GP-403	0-2	**1.75**	<0.025*
GP-403	6.7	**0.0994**	<0.025*
GP-404	2-4	<0.025*	<0.025*
GP-404	6-8	**0.0303 (J)**	<0.025*
GP-406	2-4	**3.72**	<0.025*
GP-406	6-8	**0.64**	<0.025*
GP-512	2-4	<0.025*	<0.025*
GP-512	8-10	<0.025*	<0.025*
GP-513	2-4	<0.0253*	<0.0253*
GP-513A	2-4	<0.025*	<0.025*
GP-514	2-4	<0.0253*	<0.0253*
GP-514	6-7.5	<0.0253*	<0.0253*
GP-515	2-4	<0.0253*	<0.0253*
GP-515	6-7.5	<0.0255*	<0.0255*
GP-516	2-4	**0.238**	<0.0255*
GP-516	6-8	**1.28**	<0.0263*
GP-517	2-4	<0.025*	<0.025*
GP-517	6-8	**0.0948**	<0.025*
GW RCL[1]		**0.045**	**0.0036**
Residential DC RCL[2]		**33**	**1.3**
Industrial DC RCL[3]		**145**	**8.41**

[1] –Soil Residual Contaminant Levels (RCLs) based on protection of groundwater (GW) and a dilution factor of 2 taken from the Soil RCL spreadsheet (June 2018 update) generated by the Wisconsin Department of Natural Resources (WDNR) Remediation and Redevelopment Program in compliance with Chapter NR 720 of the Wisconsin Administrative Code

[2] – Soil RCL for Direct Contact (DC) based upon Non-Industrial (Residential) property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

[3] – Soil RCL for DC based upon Industrial property classifications taken from the WDNR Soil RCL spreadsheet (June 2018 update)

Bold – Concentration exceeds the most stringent applicable RCL (GW RCL or Industrial DC RCL)

Underlined – Concentration exceeds the Industrial DC RCL

Italics – Concentration exceeds the Non-industrial DC RCL (property is commercial, not residential)

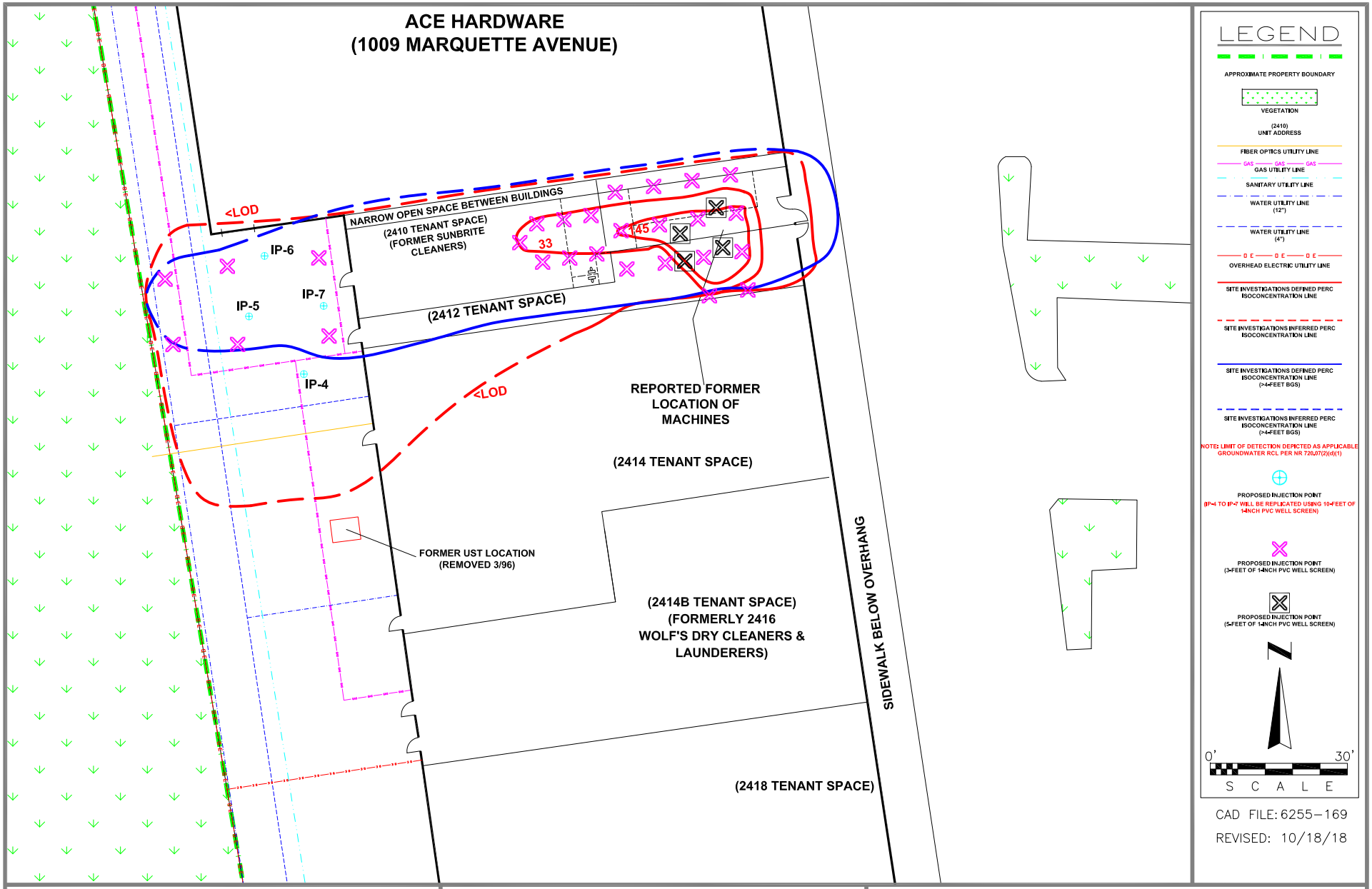
* – Limit of detection reported greater than most stringent applicable standard; "non-detect" concentration not taken as exceedance per NR 720.07(2)(d)(1)

(J) – Concentration reported by the laboratory above the Limit of Detection, but below the Limit of Quantification

VOCs via USEPA Method SW8260B/5035

Samples collected between November 12, 2014 and August 2, 2018

ATTACHMENT 2
FIGURE



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REVISED: 10/18/18

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE C.6.b
PROPOSED CHEMICAL INJECTION
UIC WELL LOCATIONS
(FORMER DRY CLEANER)

ATTACHMENT 3
INJECTION PLAN INFORMATION

INTRODUCTION

DAI Environmental, Inc., (DAI) has been engaged by the Carol Investment Corporation to obtain a Case Closure letter from the Wisconsin Department of Natural Resources (WDNR) for the Sunrise Shopping Center Property located at 2410-2424 10th Avenue and 1009 Marquette Avenue in South Milwaukee, Wisconsin (Site). The Site name, current property owner, and current Responsible Party are provided below.

Site: Sunrise Shopping Center
2410-2424 10th Avenue and 1009 Marquette Avenue
South Milwaukee, Wisconsin 53172
Parcel Identification No. 7769994001
WDNR BRRTS Activity #02-41-576336 & 02-41-579429
WDNR FID #241828620

Property Owner/ Responsible Party: Carol Investment Corporation
1410 South Clinton Street
Chicago, Illinois 60607

Consultant: DAI Environmental, Inc.
27834 North Irma Lee Circle
Lake Forest, Illinois 60045
(847) 573-8900

WDNR R&R: Mr. Riley Neumann, Project Manger
Wisconsin Department of Natural Resources
2300 North Dr. Martin Luther King, Jr. Drive
Milwaukee, Wisconsin 53212-3128
(414) 263-8699

REGULATORY REPORTING

Notifications: A *Notification For Hazardous Substance Discharge (Non-Emergency Only)* form 4400-225 was submitted to the WDNR on October 22, 2015. Subsequently at the request of WDNR, a second notification was submitted on May 16, 2017 in order to separate the contamination at the Site into two (2) separate BRRTS numbers. The Volatile Organic Compound (VOC) contamination was assigned the BRRTS number (02-41-576336) and the Polynuclear Aromatic Hydrocarbon (PAH) contamination was later assigned BRRTS number 02-41-579429.

Site Investigations: A *Site Investigation Report Amendment* dated September 18, 2017, and a *Supplemental Information to Site Investigation Report Amendment* dated November 16, 2017, were submitted to WDNR between November 2014 and May 2017. Additional Site Investigations activities were then conducted in January 2018 in response to WDNR's letter dated December 5, 2017. The results of the January 2018 sampling and other additionally requested information were provided in the *Site Investigation Report Amendment Addendum* dated February 28, 2018. In a letter dated April 24, 2018, WDNR determined that Site Investigation activities had been completed in compliance with NR 716 requirements.

Remedial Actions: A *Remedial Actions Options Report/Design Report* (RAOR/Design Report) dated April 2, 2018, was submitted to WDNR proposing a combination of active remediation and implementation of institutional controls to address the on-site contamination. The RAOR/Design Report proposed pilot-scale testing of injection of chemical oxidant. A *Design Report Addendum/Remedial Action Plan* (RAP) is submitted concurrent to this *NR 140 Exemption Update* formally proposing chemical injection for full-scale Remedial Actions. No significant changes are proposed as part of the full-scale chemical injection design, but the originally approved NR 140 Exemption (per WDNR cover letters of June 27, 2018, with a subsequent letter of July 9, 2018, only covered pilot-scale injection activities.

REMEDIAL STRATEGY

Injection Overview: As proposed in the RAP (and consistent with the initial RAOR/Design Report), in-situ chemical oxidation will be used to address both soil and groundwater contamination. The primary goal of the chemical oxidation is to reduce the concentrations of chlorinated VOCs, specifically Tetrachloroethene (Perc) and Trichloroethene (TCE), inside and behind the former dry cleaners and neighboring space (2410 and 2412). A second smaller injection area included in the July 2018 pilot testing is not included in the full-scale injection activities, as sufficient remediation of PAH contamination was completed during the pilot-scale testing activities.

The chemical treatment will be accomplished using a commercially available product manufactured by Carus Corporation under the trade name RemOx®. RemOx® is a strong oxidant consisting of >98.8% Potassium permanganate is specifically formulated for use in soil and groundwater remediation. A solution of RemOx® powder and water (obtained from the municipal supply provided to the shopping mall) will be injected into the subsurface using high pressure pumps or will be distributed via gravity feed. Class V underground injection control (UIC) wells consisting of 1-in PVC screen or injection through direct-push rods will be used. Gravity feed is proposed as the distribution method for the upper 3-ft to 3.5-ft below ground surface (bgs). Injection under pressure will be utilized for deeper injection points intended to address saturated soil and groundwater. An injection pressure of between 20-psi and 45-psi will be used, consistent with the pilot test injection pressure.

Injection Plan: A mixture ratio of between 1:1 and 1:1.36 (110-lbs/150-gal) was created for each RemOx®injectate batch. A comparable batch mixture ratio will be utilized during full-scale chemical injection. Water for batch creation will be obtained from the municipal supply on-site. The residual chlorine will be removed from the water prior to use in the injectate.

Between 65-gallons and 75-gallons of injectate were distributed into each injection point during pilot test activities, typically across a time interval of 30-minutes to 45-minutes. Approximately 75-gallons of injectate are to be distributed into each of eight (8) deeper injection points. Using

the 1:1.36 mixture ratio and a 75-gallon/deep point distribution, a total of 440-lbs of RemOx® to 600-gallons of water will be injected into the subsurface during each injection event. Approximately 25-gallons will be distributed into each 27 shallow injection points. At the same 110-lbs/150-gallons ration and assuming all 27 shallow injection points are installed, a total of 495-lbs of RemOx® to 675-gallons of water will be gravity fed into the subsurface during each injection event. At least one (1) round of injection is proposed for each injection point.

The need to perform additional rounds of chemical injection beyond the initially proposed will be determined based upon post-injection progress sampling. Groundwater samples will be collected approximately one (1) to 2-weeks following injection activities. Post-injection soil sampling will also be performed, though the schedule for soil sampling cannot be predetermined and will be largely dictated by the observed progress/effectiveness of injection activities.

Injection Locations: Figure C.6.b shows a total of 35 anticipated injection points, 10 in the rear of the 2410-2412 tenant spaces and 25 injection points inside the front of the two (2) tenant spaces. The injection points nearest the front of the 2410-2412 tenant space are intended to address the location of highest observed contaminant concentrations and reduce the potential for vapor intrusion and contaminant leaching into groundwater, while the injection points at the rear of the building are intended to reduce soil and groundwater contaminant concentrations that are resulting in exceedances of the groundwater Enforcement Standard for Perc in monitoring well MW-5. The depth intervals for the UIC wells varies dependent upon location and identified depth of contamination being remediated. Three (3) injection intervals are anticipated as follows:

Outside (behind) 2410-2412 Tenant Spaces

- Four (4) wells of 10-ft screen set at 2-ft to 12-ft bgs
- Four (4) to six (6) injection points with 3-ft screens set at 0.5-ft to 3.5-ft bgs

Inside 2410-2412 Tenant Spaces

- Four (4) wells of 5-ft screen set at 4-ft to 9-ft bgs
- Twenty-one (21) injection points with 3-ft screens set at 0.5-ft to 3.5-ft bgs

The *Inventory of Injection Wells* Form (3300-253) is provided in Attachment 1.

Injection Safety Considerations: There are no potable water supply wells or body of surface water within the vicinity of the Site that could be adversely impacted by the proposed chemical injection. The proposed injection points have been selected to be protective of the underground utilities that are located along the western property boundary. All injection activities are proposed within or behind vacant tenant spaces, essentially eliminating any potential concern of exposure to the oxidant chemical by anyone other than properly experienced personnel.

Schedule: The chemical injection will be performed as soon as possible, following WDNR approval. The tenant spaces where the remediation is to occur are currently vacant, but the property owner wishes to lease the space as soon as the remedial actions can be completed. WDNR will be notified of injection and post-injection sampling activities, consistent with the protocol followed during pilot testing.

NR 140.28 EXEMPTION REQUEST

When a groundwater PAL or Enforcement Standard are exceeded, response actions must be performed in compliance with NR 140.24 (PAL) and NR 140.26. An exemption from those requirements may be granted per Chapter NR 140.28(5) if infiltration/injection remedial actions are intended to be performed in an effort to reduce groundwater concentrations to below the applicable standards. This exemption request is submitted to WDNR as required by NR 140.28(5)(b) and includes below a demonstration of compliance with the requirements of NR 140.28(5)(c)-(d) that must be met in order to receive approval of the exemption.

NR 140.28(5)(c)(1) – Reasonable Time Period: Chemical treatment of contamination is often highly effective in a short time period when suitable distribution and contact are achieved in the subsurface. While an exact time period is not yet known, the proposed chemical injection rounds are intended to be initiated as soon as possible following WDNR approval. Additional rounds of injection beyond that which is initially proposed will be determined by post-injection monitoring results and remedial progress. Even with additional rounds of injections, the remediation is anticipated to be completed within 1-yr or less.

NR 140.28(5)(c)(2) – Injectate Minimization: A total of 165-lbs of RemOx® and 165-gallons of water were injected into three (3) points behind the 2414B tenant space During pilot testing. No additional injection is proposed within this area.

For the four (4) injection points installed in the rear of the 2410-2412 tenant spaces within the vicinity of MW-5, 260-lbs RemOx® to 295-gallons of water was injected during pilot testing. An additional 330-lbs RemOx® to 450-gallons of water are proposed for injection during full-scale injection: 220-lbs RemOx® to 300-gallons of water into four (4) deep injection points and 110-lbs RemOx® to 150-gallons of water into six (6) shallow subsurface points (via gravity feed distribution).

During pilot testing, 165-lbs RemOx® to 225-gallons of water were injected into three (3) injection points inside the 2410 tenant space, and 165-lbs PersulfOx® to 225-gallons of water were injected into three (3) injection points inside the 2412 tenant space. (PersulfOx® is not proposed to be utilized during full-scale Remedial Actions.) As part of the full-scale chemical injection, an additional 330-lbs RemOx® to 450-gallons of water are proposed for injection during full-scale injection: 220-lbs RemOx® to 300-gallons of water into four (4) deep injection points and 385-lbs RemOx® to 525-gallons of water into 21 shallow subsurface points (via gravity feed distribution).

The need for additional chemical injection will be determined based upon monitored remedial progress. All efforts will be made to minimize the volume (and overall cost) of chemical to be injected into the subsurface.

NR 140.28(5)(c)(3) – Public Health/Welfare: As previously noted, the injection activities are to be performed inside and around vacant tenant spaces. There is little to no concern to the public. The only individuals that should be exposed to the chemical oxidant will be trained, experienced environmental personnel.

NR 140.28(5)(c)(4) – Injection Where Free-Product is Present: No free-product petroleum or chlorinated solvent was observed during any of the Site Investigation activities. Therefore, compliance with the requirement to exclude injection from locations where free-product is present is met.

NR 140.28(5)(c)(5) – Expansion of Contamination: The injection of the chemical oxidant is intended to decrease the extent and magnitude of the subsurface contamination. The volume of liquid injected into the subsurface will be controlled so as not to spread contamination. The volume and injection pressure will be monitored during the full-scale remediation to ensure plume expansion will not occur as a result of injection actions.

NR 140.28(5)(c)(6) – Permits/Licenses: Attachment 1 of this submission includes an *Inventory of Injection Wells* Form (3300-253), and Attachment 2 includes an updated application for the WPDES Permit WI-0046566-07-0 (remedial action groundwater treatment permit).

NR 140.28(5)(d)(1) – Monitoring Procedures: Post-injection soil and groundwater sampling will be performed to evaluate the effectiveness and remedial progress made during chemical injection. The RAP provides a discussion of operation & maintenance and remedial monitoring. All items required to be monitored by WPDES Permit WI-0046566-07-0 and the original NR 140 exemption will be monitored during the full-scale Remedial Actions.

NR 140.28(5)(d)(2) – Pre-treatment of Contaminated Groundwater: The chemical injection activities do not include the recovery and re-injection of contaminated groundwater sampling. No pre-treatment activities are required. Therefore, this requirement is not applicable.

NR 140.28(5)(d)(3) – Proposed Injectate: The chemical to be injected is a strong oxidant consisting of >98.8% Potassium permanganate manufactured by Carus Corporation under the trade name RemOx®. The injectate will be a liquid solution of RemOx® powder and water.

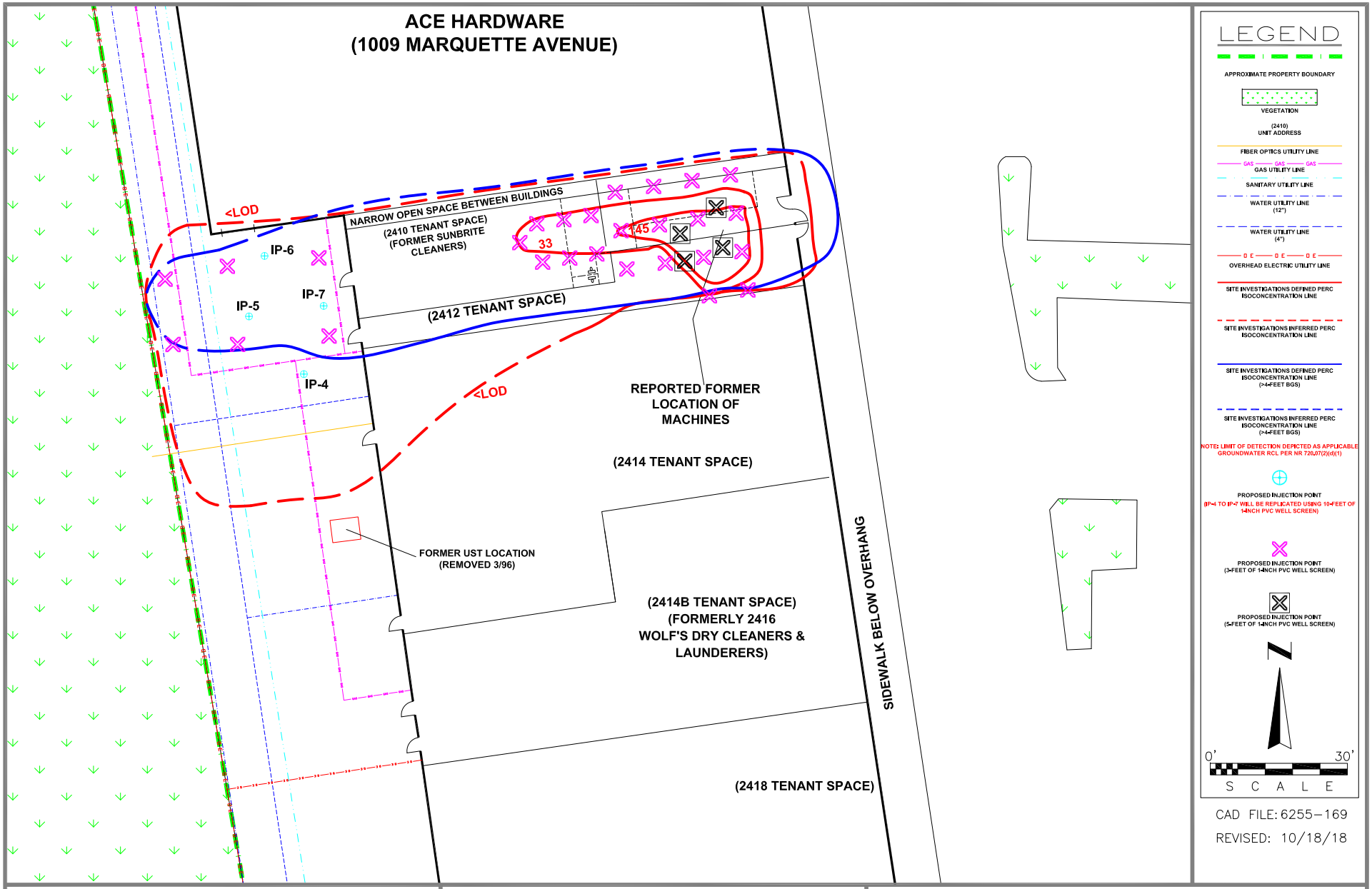
NR 140.28(5)(d)(4) – Injection Parameters: The injection scope has been previously discussed, including injection rate and pressure and injectate concentration and volume.

NR 140.28(5)(d)(5) – Injection Locations: The injection points are depicted in Figures C.6.b (see Attachment 4).

NR 812.05 VARIANCE REQUEST

Under NR 812.05(2)(a)(3), the use of any well, drill hole, or water system for the placement of any waste, surface or subsurface water, or any substance underground is prohibited unless the placement is approved by the WDNR for the remediation of contaminated soil, groundwater, or an aquifer. DAI requests approval of the injection of the chemical oxidant into the subsurface for the purposes of soil and groundwater remediation. Injection activities will not include any waste, surface water, or recovered and re-injected groundwater.

ATTACHMENT 4
INJECTION FIGURES



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REVISED: 10/18/18

ENVIRONMENTAL DAI

SUNRISE SHOPPING CENTER
2410-2424 10TH AVENUE
1009 MARQUETTE AVENUE
SOUTH MILWAUKEE, WISCONSIN

FIGURE C.6.b
PROPOSED CHEMICAL INJECTION
UIC WELL LOCATIONS
(FORMER DRY CLEANER)